



ADOPTIVE CELL THERAPY

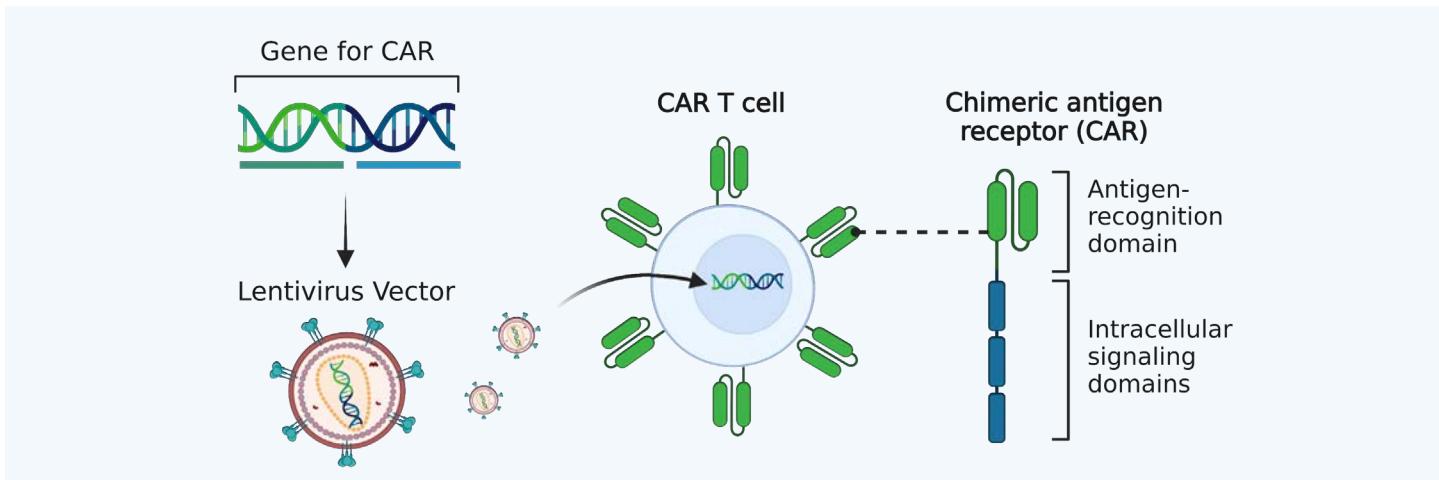
TOOLS FOR ENGINEERING THE IMMUNE SYSTEM

Cell Lines | Primary Cells | Proteins | Antibodies | Viruses | Services



Engineering T & NK Cells for Adoptive Cell Therapy

The development of Chimeric Antigen Receptor (CAR)-expressing T cells has translated into significant progress in the treatment of some types of cancer, with potential for applications in transplantation and autoimmunity as well. Engineered CAR-NK cells also hold promise for improved therapies. In addition, cancer-targeting TCRs may provide expanded adoptive cell therapy options. The future is bright for CAR-T and TCR-T cell research, and BPS Bioscience continues to develop unique cell lines and other tools to help researchers create, evaluate, and enhance immune cells for the improvement of human health.



Our Advantages



Produced In-House

- Made in the USA at our San Diego, CA laboratory
- Experience customized, personal support directly from our scientists



Committed to Excellence

- ISO 9001:2015-certified Quality Management System
- Lot-specific quality control testing



Expansive Portfolio

- Choose from ready-to-use cell lines, proteins/peptides, primary cells, antibodies, BiTE® (Bispecific T-cell Engager) molecules, lentivirus, and AAV
- Consistently launching new and novel products to meet research needs

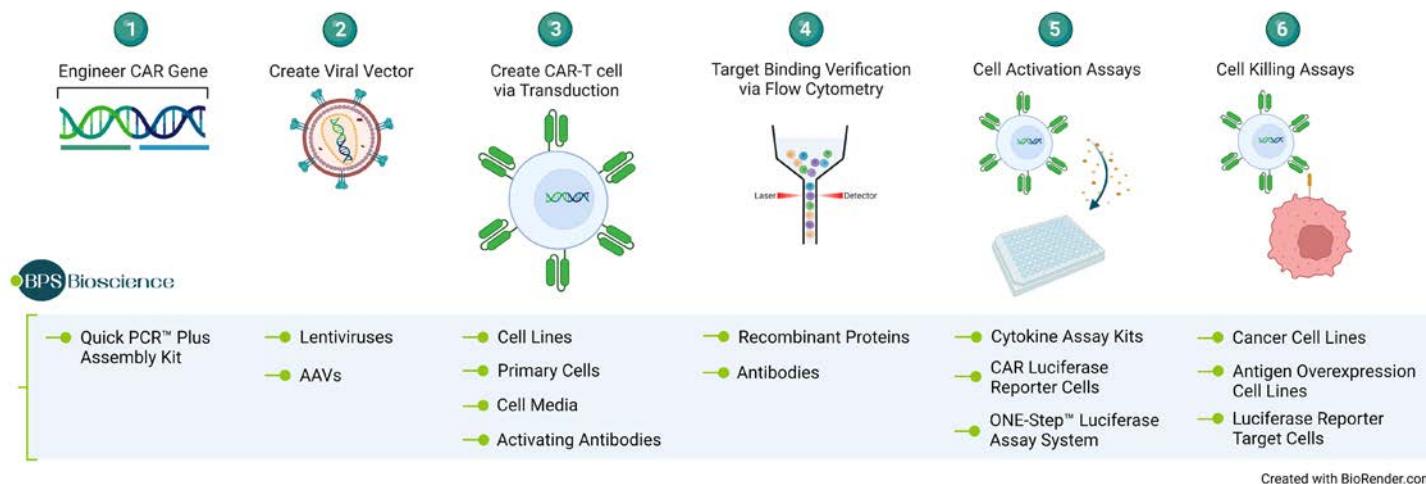


CAR-T Cell Service Platform

- Lentivirus vector design and construction
- Preparation and validation of functional CAR-T and TCR-T cells
- Cytotoxic (cell killing) assays
- Custom cell line development

Products to Enable the Cell Therapy Workflow

Our solutions support critical steps in CAR-T and CAR-NK cell therapy research and development spanning from creation of CAR-T cells through to functional testing and validation, according to the workflow below. Our off-the-shelf products are ready to ship upon order, and we also have custom capabilities to build unique reagents to your specifications and quantities. We can also help you design your CAR and generate CAR cells from start to finish.



Unique Solutions for TCR-T Research

Ready-to-use antigen-specific TCR-expressing reporter cells are available to support the design and optimization of co-culture bioassays, or to use as positive controls in bioassays. Robust signal-to-noise enables sensitive detection of TCR activation via cancer antigen peptides.

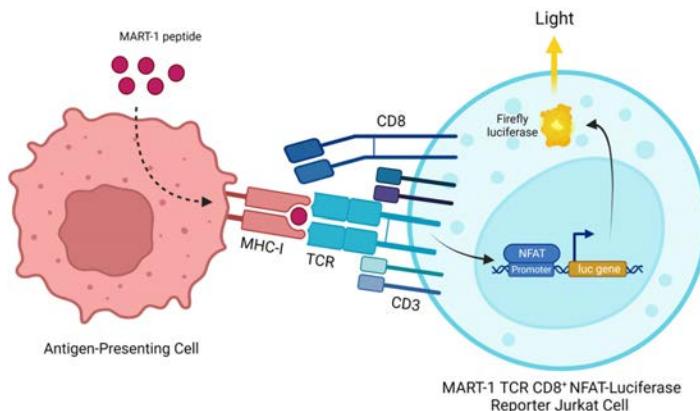
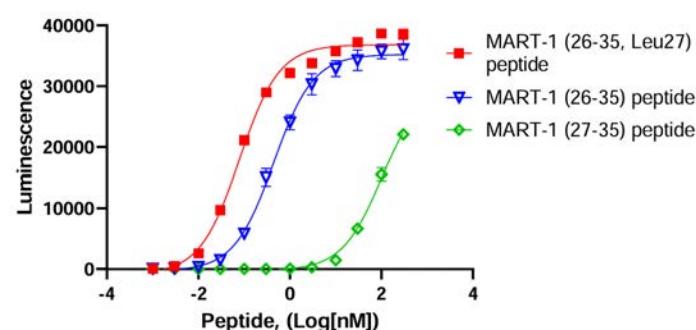


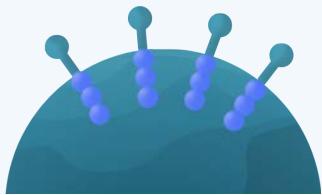
Illustration of the functional co-culture assay used to validate the MART-1 TCR (DMF4) CD8+ NFAT-Luciferase Reporter Jurkat cell line (#78772).



MART-1 TCR (DMF4) CD8+ NFAT Luciferase Reporter Jurkat cells were co-cultured for 6 hours with T2 cells loaded with various concentration of MART-1 peptides (#78759, #78760 and #78761). MART-1 peptide variants display differing affinities for MART-1. ONE-Step™ Luciferase Assay was performed and the results are shown as raw luminescence readings.

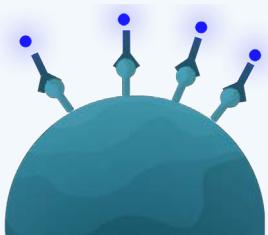
Cell Lines and Primary Cells

CAR-T and TCR-T Cells



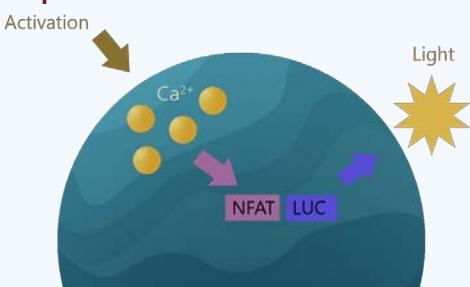
- For design of co-culture studies
- Positive controls for developing new CARs and TCRs
- Cell lines and primary cells

Overexpression/Knockout Cell Lines



- Overexpressing CAR-target cell lines, including BCMA, CD19, and more
- Antibody screening and binding studies
- TCR, B2M, and CIITA knockout cell lines to model universal CAR-T cells or re-engineering TCRs

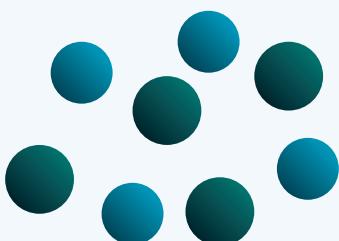
Reporter Cell Lines



Measure:

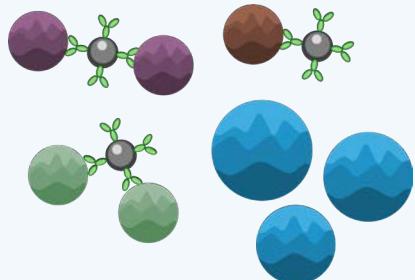
- TCR and CAR signaling activity
- Promoter activity
- Transcription factor activity

Primary Cells



- Human CD4^+ and CD8^+ T cells, negatively selected
- CAR and TCR-expressing $\text{CD4}^+/\text{CD8}^+$ T cells
- PBMCs
- Isolated from peripheral blood of healthy donors

Human T Cell Isolation Kit

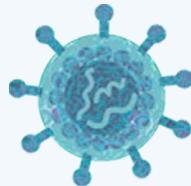


- Immuno-magnetic negative selection yields a highly purified T cell population
- Fast & efficient

Lentivirus and AAV Vectors

Virus-based tools such as lentiviruses and AAV are critical reagents for cell-engineering, particularly in CAR and TCR-T cell therapy, gene therapy, and other personalized medicine. We have designed a suite of ready-to-use lentivirus and AAV vectors for CAR and TCR-T research and development.

Lentiviruses

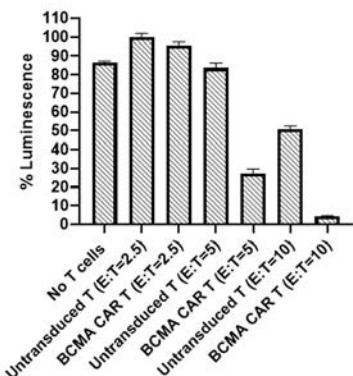


Lentiviruses are a popular tool for transducing CAR and TCR genes into primary T cells. Our replication-incompetent lentiviruses have been VSV-G pseudotyped, making these virus particles safe, stable and especially useful to target a wide range of cell types, particularly T cells in culture. Lentiviruses confer a number of advantages over other transduction methods.

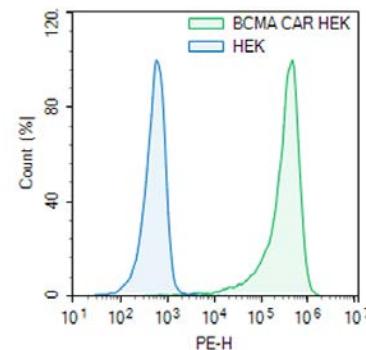
Advantages

- Can infect actively dividing and non-dividing cells
- Can infect a wide range of cell stages
- Size of inserted DNA can be up to 10 kb
- Long term stable expression of a transgene
- Low cellular toxicity
- High transduction efficiency

Anti-BCMA CAR Lentivirus (Clone C11D5.3 ScFv-CD8-4-1BB-CD3 ζ) (#78655)



Anti-BCMA CAR Lentivirus-transduced CD4 $^{+}$ and CD8 $^{+}$ T cells induce killing of Firefly Luciferase-RPMI8226 target cells.



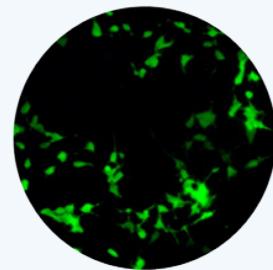
Anti-BCMA CAR Lentivirus-transduced HEK293 cells express CAR molecules that bind to biotinylated recombinant BCMA and PE-streptavidin.

AAV Reporter Vectors



Adeno-Associated Virus (AAV) is a small non-enveloped dependovirus consisting of an icosahedral capsid containing a short, single-stranded DNA genome. Demonstrated as being safe for use in humans, AAV has been used for gene therapy to engineer cells using the viral genome to deliver the gene of interest.

We offer a growing line of AAV reporter vectors, such as luciferase or fluorescent markers for use as transduction controls, to track transgene expression over time, or for optimization of transduction and experimental conditions.



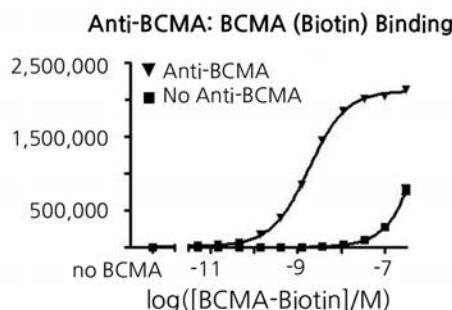
Proteins and Antibodies

● Recombinant Proteins

We specialize in the development and manufacture of bioactive enzymes and proteins, including a large selection related to CAR-T and TCR-T targets and T cell function. Our High-Purity (HiP™), low-aggregation protein products are optimal for generating clear and consistent research data. High purity means lower amounts of byproducts and contaminants from the manufacturing process and higher amounts of the full, expected length protein, which enables more accurate, better-quality results. Low aggregation means improved, more precise measurements for binding studies. BPS Bioscience maintains the highest standards for protein aggregation in drug discovery research.



- Functional proteins for binding and blocking assays
- CAR-T target proteins
- Immune checkpoint inhibitor proteins
- Cell activating and co-stimulatory molecules, including TCR-specific peptides
- Epitope tagged, biotin-labeled, or fluorophore-labeled



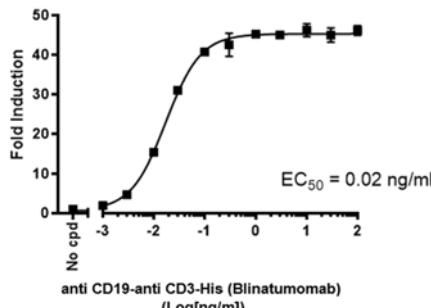
Anti-BCMA antibody (single-chain variable fragment) (#100173) was used to coat wells at 100 ng/well. Biotin-labeled BCMA recombinant protein (#79467) was titrated from 0-300 nM with a 3-fold dilution series and added to wells. Binding was detected with Streptavidin-HRP (#79742) and developed with a chemiluminescence readout.

● Antibodies



- Bispecific T cell Engager (BiTE®) molecules and trispecific antibodies, including anti-CD19-anti-CD3
- CAR-T targets, such as anti-BCMA, anti-CD19, and more
- T cell agonist antibodies, such as anti-CD3 and anti-CD28
- Recombinant production ensures consistent performance
- Human Ig isotype controls

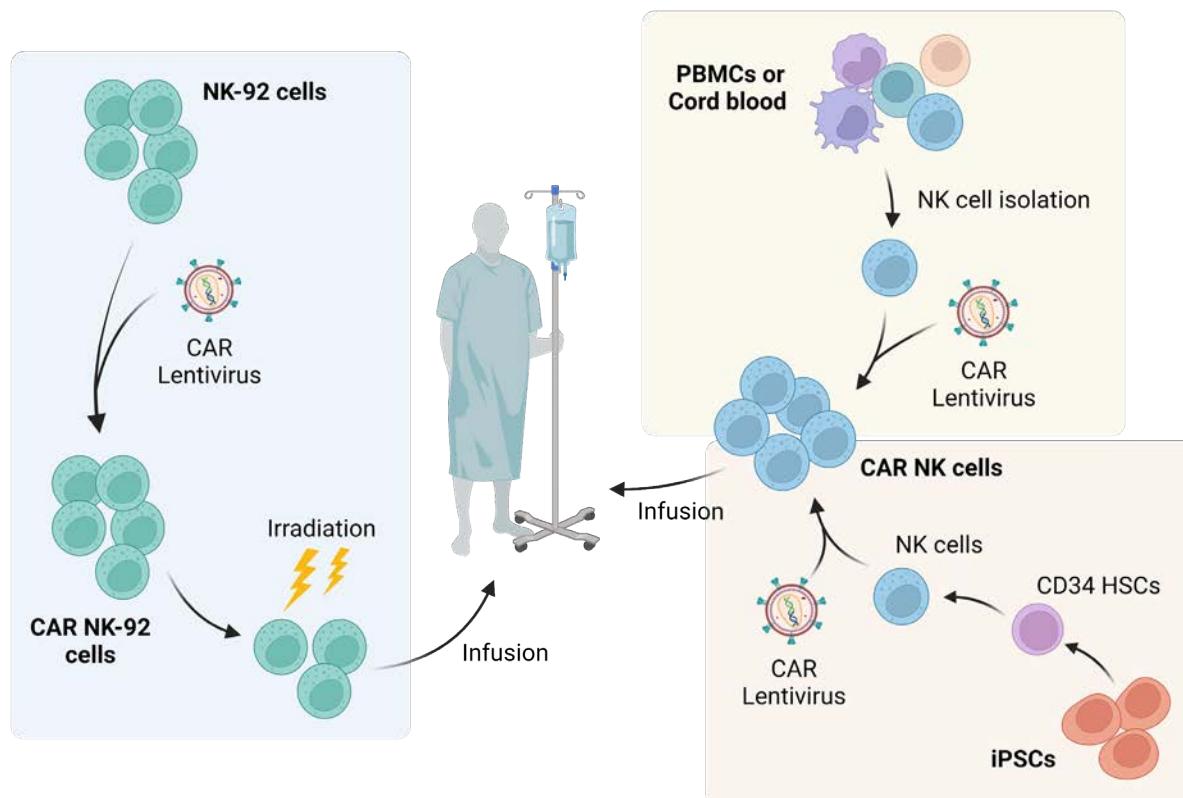
Activation of Jurkat Reporter Cells by Anti-CD19-Anti-CD3 BiTE® in Presence of CD19-positive Raji Cells



Anti-CD19-Anti-CD3 BiTE (equivalent to Blinatumomab) (#100441) was added at increasing concentrations to NFAT Reporter Luciferase Jurkat cells (#60641) in the presence of CD19-positive Raji cells. Luciferase induction was measured using the ONE-Step™ Luciferase Assay System (#60690).

CAR-NK Cell-Related Products

Engineered CAR-NK cells are the next generation in CAR-expressing cell therapies. CAR-NK cells deliver a number of advantages over the existing CAR-T cell therapy, including fewer, less harmful side-effects, high feasibility for off-the-shelf manufacturing, which improves on delivery times, multiple mechanisms for activating cytotoxicity, and potential to be derived from multiple cell sources.



NK Cells

- Magnetic NCAM1/CD56 Positive Cell Isolation Kit (#78808)
- NK Cell Expansion Kit (#78927)
- Expanded Human NK Cells (#78798)

Recombinant Proteins

- CD16A
- CD38
- KIR2DL1
- KIR2DL2
- KIR3DS1
- NKG2A
- NKG2D
- Nkp46
- Functional proteins for binding, blocking, and enzymatic assays
- Epitope tagged, Fc-fusion, or biotin-labeled
- Bulk production and customization

Recombinant Cell Lines

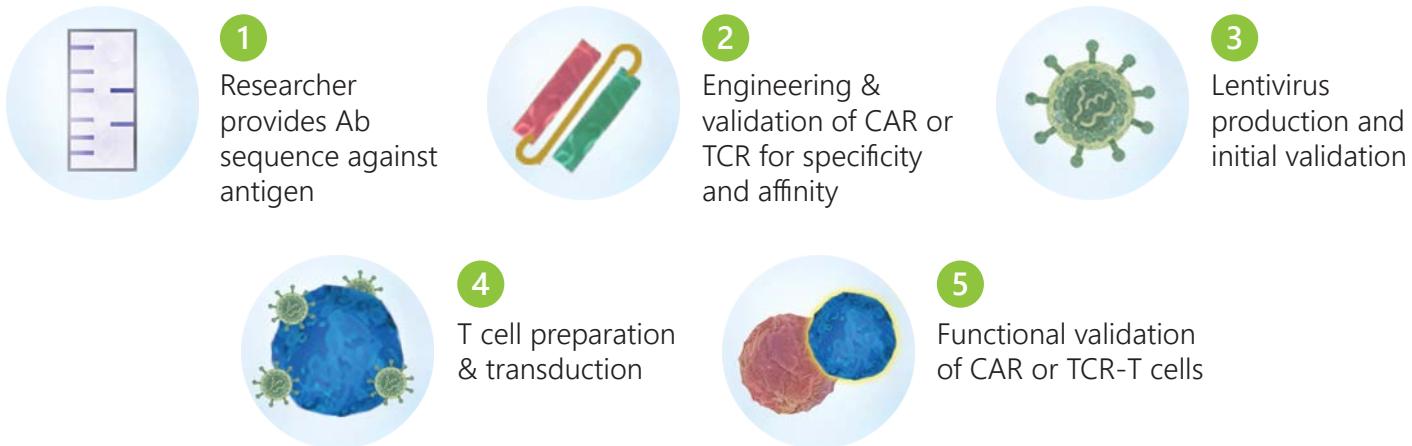
- Growth-Arrested NK Feeder Cells (#78912)
- KIR3DL3/IL-2 Luciferase Reporter Jurkat Cell Line (#78322)
- FcGR3A (CD16A) (#78332) and FcGR3B (CD16B) (#78333) CHO Cell Lines
- NCAM1 (CD56) CHO Cell Line (High, Medium, & Low)

Lentiviruses

- Ideal for introducing transgenes into primary cells and both dividing and non-dividing cells
- Stable integration for long term expression
- High transduction efficiency/low toxicity
- Custom production available

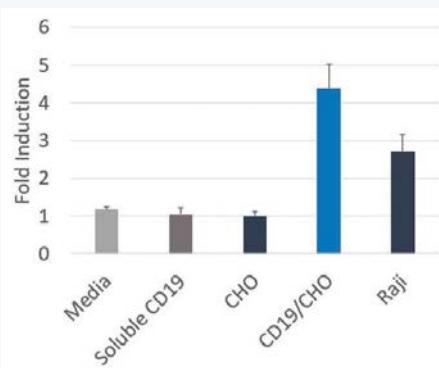
Custom CAR or TCR-T Cells

BPS Bioscience provides full service production of CAR-T and TCR-T cells to your desired specifications. With our milestone-measured process, you can monitor your steps to successful custom adoptive T cell generation.



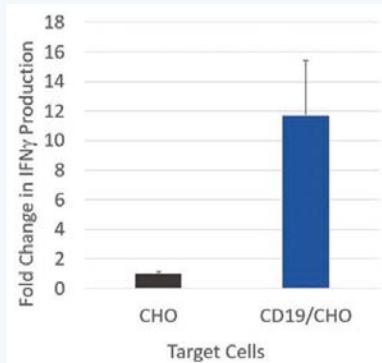
● Functional Validation

Primary Screening & Verification of CAR Activity Using a Reporter Cell Line



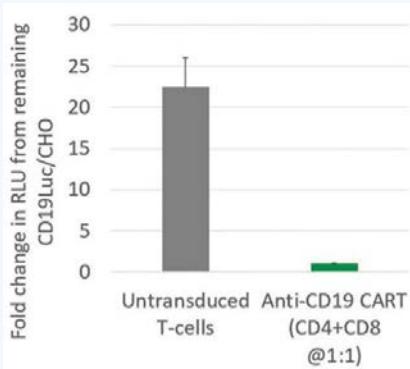
Luciferase activity in a stable cell pool of anti-CD19 CAR-expressing NFAT luciferase Jurkat cells co-cultured with the indicated targets and controls.

IFN γ Cytokine Detection from Activated CAR-T Cells



IFN γ production from Anti-CD19 CAR-T cells induced by CD19-expressing CHO cells (effector:target = 10:1). IFN γ was measured by ELISA (#79777).

Target Cell Killing Assays



CD19 Luciferase CHO cells (79714) were targeted and killed by anti-CD19 CAR-T cells (effector:target = 10:1).

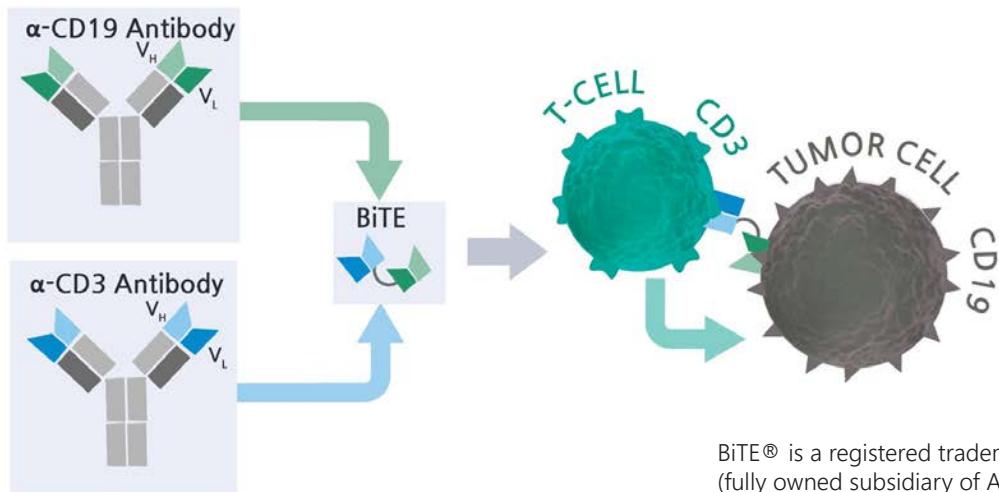
Additional Assays

- Flow cytometry to confirm CAR or TCR expression
- Mycoplasma testing

bpsbioscience.com/custom-car-t-cell-development

BiTE Molecules & Services

Bispecific T cell Engager (BiTE®) molecules are bivalent structures derived from two distinct antibodies designed as an immune-based therapeutic, by simultaneously engaging CD3 on T cells and a tumor-associated antigen expressed on cancer cells. This cell-to-cell ligation enables T cell targeting and killing of the tumor cells.



BiTE® is a registered trademark of Micromet AG
(fully owned subsidiary of Amgen Inc.)

● Our Capabilities

- Designing and generating BiTE constructs and producing BiTE molecules
- Measuring the affinity of BiTE binding to antigen targets using interferometry (Gator™, Probe Life) or ELISA-based assay
- Assessing T cell activation using reporter cell-based assays and measuring of K_d values using *in vitro* assay kits
- Evaluating bispecific constructs in reporter cell-based assays using our selection of over 100 antigen-expressing cancer cell lines

● Comparing CAR-T vs BiTE Therapy



CAR-T

- *Ex vivo* engineered T cells derived from patients, complex production
- Indicated for hematologic cancers
- MHC/TCR-independent, independent of endogenous T cell populations, long lasting
- Lacks efficacy against solid tumors, antigen expression-dependent



BiTE

- *In vitro* engineered protein, not patient derived, relatively easy production
- Useful for hematologic cancers with potential for solid tumors
- MHC/TCR-independent, dependent on endogenous T cell populations
- Antigen-dependent, requires continuous/repeated administration due to short half-life

Antibodies	Catalog #	Biochemical Assay Kits	Catalog #
Anti-BCMA Antibody	101219	CD38 (Pig) Fluorogenic Assay Kit (Hydrolase Activity)	78178
Anti-BCMA Antibody (Single-Chain Variable Fragment), His-Tag	100173	CD38 Inhibitor Screening Assay Kit (Cyclase Activity)	71275
Anti-BCMA-Anti-CD19-Anti-CD3 Trispecific Molecule	100761	CD38 Inhibitor Screening Assay Kit (Hydrolase Activity)	79287
Anti-BCMA-Anti-CD3 Bispecific Molecule	100689	CD38 Inhibitor Screening Assay Kit (Hydrolase Activity)	79672
Anti-BCMA-Anti-CD3 IgG Bispecific Antibody	101968	CD47:SIRP- α [Biotinylated] Inhibitor Screening Chemiluminescence Assay Kit	72044
Anti-CD19 IgG Antibody	100981	CD47:SIRP- γ [Biotinylated] Inhibitor Screening Assay Kit	72059
Anti-CD19 IgG Antibody, Biotin-Labeled	101093	Cytotoxicity Dye Kit (CFSE, 7-AAD)	82296
Anti-CD19-Anti-CD3 Bispecific Molecule	100441		
Anti-CD19-Anti-CD3 IgG format Bispecific Antibody	101076	Cell Isolation Kits/Components	Catalog #
Anti-CD20 Functional Antibody	71209	CD19 Positive Cell Isolation Kit	78564
Anti-CD20 IgG Antibody, Biotin-labeled	101207	Human T Cell Isolation Kit	82288
Anti-CD20-Anti-CD3 Bispecific Antibody	100836	Cell Lines	Catalog #
Anti-CD20-Anti-CD3 IgM format Bispecific Antibody	100860	Anti-BCMA CAR/NFAT-Luciferase Reporter Jurkat Cell Line	79694
Anti-Claudin-18 Isoform 2 IgG Antibody	101564	Anti-CD19 CAR / NFAT (Luciferase) Reporter Jurkat Cell Line (CD19 SCFV-CD28-4-1BB-CD3 ζ)	79853
Anti-Claudin-18 Isoform 2 IgG Antibody, Biotin-Labeled	101565	Anti-CD19 CAR Negative Control/NFAT (Luciferase) Reporter Jurkat Cell Line (CD19 SCFV-CD28 Transmembrane Motif)	79854
Anti-Claudin-18 Isoform2-Anti-CD3 IgG Bispecific Antibody	101541	B2M Knockout Jurkat Cell Line	78342
Anti-GPRC5D-Anti-CD3 Bispecific Antibody	102450	B2M Knockout NFAT Luciferase Reporter Jurkat Cell Line	78363
Anti-IL-2RA (CD25) Neutralizing Antibody	101593	B2M Knockout THP-1 Cell Line	78389
Anti-PSMA Antibody	101695	B2M/CIITA Double Knockout THP-1 Cell Line	78391
Anti-PSMA, Biotin Label Antibody	101757	BAFF/APRIL Responsive BCMA-NF- κ B Luciferase Reporter HEK293 Cell Line	79755
Anti-PSMA-Anti-CD3 IgG format Bispecific Antibody	101242	BCMA / CD20 / Firefly Luciferase CHO Cell Line	78185
FluoSite™ Anti-CD19 Antibody, FITC-Labeled	101863	BCMA / GLuc - CHO Recombinant Cell Line	79830
FluoSite™ Anti-CD20 Antibody, FITC-Labeled	101864	BCMA / Luciferase - CHO Recombinant Cell Line	79724
FluoSite™ Anti-CD20 Antibody, PE-Labeled	101672	BCMA CHO Recombinant Cell Line (High or Low Expression)	79500
FluoSite™ Anti-Claudin-18 Isoform 2 Antibody, FITC-Labeled	101866	BCMA Knockout MM.1S Cell Line	82687
FluoSite™ Anti-Claudin-18 Isoform 2 Antibody, PE-Labeled	101676	BCMA Knockout RPMI-8226 Cell Line	82659
FluoSite™ Anti-DLL3 Antibody, PE-Labeled	102503	CD19 / BCMA / Firefly Luciferase - CHO Recombinant Cell Line	78030
FluoSite™ Anti-human TCR $\alpha\beta$ Antibody, PE-Labeled	102387	CD19 / CD20 / Firefly Luciferase CHO Cell Line	78186
Biochemical Assay Kits	Catalog #	CD19 / Firefly Luciferase - CHO Recombinant Cell Line	79714
BAFF:BCMA[Biotinylated] Inhibitor Screening Assay Kit	79667	CD19 CHO Recombinant Cell Line (Low, Medium and High Expression)	79561
BCMA:APRIL[Biotinylated] Inhibitor Screening Chemiluminescence Assay Kit	79722	CD19/CD20 Double Knockout Raji Cell Line	82623
CD38 (Dog) Inhibitor Screening Assay Kit (Hydrolase Activity)	78108	CD20 CHO Recombinant Cell Line (High or Medium Expression)	79624
CD38 (Mouse) Fluorogenic Assay Kit (Cyclase Activity)	78285	CD20 Knockout Raji Cell Line	82622
CD38 (Mouse) Inhibitor Screening Assay Kit (Hydrolase Activity)	79682	CD20/Firefly Luciferase CHO Cell Line	78620

Cell Lines, Cell-Based Assays and Expression Kits, Lentiviruses

Product Listing

Cell Lines	Catalog #	Cell Lines	Catalog #
CD22 / Luciferase - CHO Recombinant Cell Line	79715	MAGE-A1 TCR CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	78993
CD22 CHO Recombinant Cell Line (Medium and High Expression)	79557	MAGE-A4 TCR CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	78984
CD38 / BCMA / Firefly Luciferase CHO Recombinant Cell Line	78148	MART-1 TCR (DMF4) CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	78772
CD38 / CD19 / Firefly Luciferase CHO Recombinant Cell Line	78149	MART-1 TCR (DMF5) CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	78773
CD38 CHO Recombinant Cell Line (High, Medium or Low Expression)	79615	MUC16 (CA125), variant 4 (region 13785-14507) CHO Cell Line	78848
CD4+ TCR Knockout NFAT-Luciferase Reporter Jurkat Cell Line	82319	NY-ESO-1 TCR (1G4) CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	78769
CD47 - HEK293 Cell Line	71249	NY-ESO-1 TCR (c259) CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	78771
CD7 CHO Cell Line (Medium or High Expression)	78324	PRAME TCR CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	78997
CD8+ TCR Knockout NFAT-Luciferase Reporter Jurkat Cell Line	78757	PSMA (FOLH1) - CHO Recombinant Cell Line (High, Medium, or Low Expression)	79641
CIITA Knockout THP-1 Cell Line	78390	STEAP1 HEK293 Cell Line	82749
Claudin-18 Isoform 1 CHO Cell Line	78361	TCR Activator CHO Recombinant Cell line	60539
Claudin-18 Isoform 2 CHO Cell Line (High, Medium, or Low Expression)	78533	TCR Activator Raji Cell Line	60556
eGFP/Firefly Luciferase BCMA Knockout MM.1S Cell Line	82732	TCR Activator/FcGR2B CHO Cell Line	78436
eGFP/Firefly Luciferase BCMA Knockout RPMI 8226 Cell Line	82688	TCR Knockout Jurkat Cell Line	78539
eGFP/Firefly Luciferase K562 Cell Line	78911	TCR Knockout NFAT-Luciferase Reporter Jurkat Cell Line	78556
eGFP/Firefly Luciferase MIA PaCa-2 Cell Line	78766	TCR/B2M Knockout Jurkat Cell Line	78552
eGFP/Firefly Luciferase OVCAR3 Cell Line	78953	TCR/B2M Knockout NFAT Luciferase Reporter Jurkat Cell Line	78557
eGFP/Firefly Luciferase Ramos (RA 1) Cell Line	82149	TROP2 - CHO-K1 Recombinant Cell Line	78099
eGFP/Firefly Luciferase RS4;11 Cell Line	78926	Vy4V61 TCR NFAT-Luciferase Reporter Jurkat Cell Line	82329
FAP- CHO K1 Recombinant Cell Line (High, Medium or Low Expression)	79947	Vy9V62 TCR NFAT-Luciferase Reporter Jurkat Cell Line	82320
FcGR1a (CD64) Knockout THP-1 Cell Line	82191	Cell-Based Assays and Expression Kits	Catalog #
Firefly Luciferase - CHO Recombinant Cell Line	79725	HLA-A/B/C Knockout Electroporation Kit	82395
Firefly Luciferase BCMA Knockout RPMI-8226 Cell Line	82689	PBMC Cytotoxicity Bioassay Kit (CFSE, 7-AAD)	82173
Firefly Luciferase CD19 Knockout NALM6 Cell Line	82168	PBMC Cytotoxicity Luciferase Assay Kit	82214
Firefly Luciferase CD19/CD20 Double Knockout Raji Cell Line	82625	PBMC Cytotoxicity Luciferase Assay Kit (NALM6)	82174
Firefly Luciferase CD20 Knockout Raji Cell Line	82624	PBMC Cytotoxicity Luciferase Assay Kit (OVCAR3)	82769
GPRC5D (Cynomolgus) CHO Cell Line	78338	TCR Knockout Electroporation Kit	82394
GPRC5D (Cynomolgus) HEK293 Cell Line	78346	Lentiviruses	Catalog #
GPRC5D CHO Cell Line	78337	Anti-BCMA CAR Lentivirus (Clone C11D5.3 ScFv-CD8-4-1BB-CD3ζ)	78655
GPRC5D HEK293 Cell Line	78345	Anti-BCMA CAR Lentivirus (VHH1/VHH2 ScFv-CD8-4-1BB-CD3ζ)	78783
HER2 (ERBB2) CHO Recombinant Cell Line (High, Medium, or Low Expression)	79612	Anti-CD19 CAR Lentivirus (CD19 ScFv-CD8-4-1BB-CD3ζ)	78600
Human Mesothelin - CHO-K1 Recombinant Cell Line	78132	Anti-CD19 CAR Lentivirus (CD19 ScFv-CD8-4-1BB-CD3ζ, eGFP)	78775
IL-2 Luciferase Reporter Jurkat Cell Line	60481	Anti-CD19 CAR Lentivirus (CD19 ScFv-CD8-4-1BB-CD3ζ, IL-15/IL-15Ra)	82378
KRAS G12D TCR (Clone 10) CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	82303		
KRAS G12D TCR (Clone 9c) CD8+ NFAT-Luciferase Reporter Jurkat Cell Line	82304		

Lentiviruses	Catalog #	Lentiviruses	Catalog #
Anti-CD19 CAR Lentivirus (CD19 ScFv-CD8-4-1BB-CD3ζ, PuroR)	78602	Vγ4V61 TCR Lentivirus	78986
Anti-CD19 CAR Lentivirus (CD19 ScFv-CD8-4-1BB-CD3ζ; SIN Vector)	78601	Vγ9V62 TCR Lentivirus	78985
Anti-CD19 CAR Lentivirus (CD19 ScFv-CD8-CD28-CD3ζ, IL-15/IL-15Ra)	82379	Peptides	
Anti-CD19/CD22 Bispecific CAR Lentivirus (Clones FMC63/m971 ScFv-CD8-4-1BB-CD3ζ)	78609	Influenza HA H1 Peptide (Hawaii H1N1)	82312
Anti-CD20 CAR Lentivirus (Clone Leu-16 ScFv-CD8-4-1BB-CD3ζ)	78606	Influenza HA H3 Peptide (307-319)	82311
Anti-CD22 CAR Lentivirus (Clone m971 ScFv-CD8-4-1BB-CD3ζ)	78608	KRAS G12D Peptide (10-18)	78967
Anti-Mesothelin CAR Lentivirus (P4 ScFv-CD8-4-1BB-CD3ζ)	78703	KRAS G12D Peptide (10-19)	78969
B2M (Human) CRISPR/Cas9 Lentivirus (Integrating)	78340	KRAS Wild Type Peptide (10-18)	78968
B2M (Human) CRISPR/Cas9 Lentivirus (Non-Integrating)	78341	KRAS Wild Type Peptide (10-19)	78970
BCMA Lentivirus	78714	MAGE-A1 Peptide (278-286)	78965
CD47 CRISPR/Cas9 Lentivirus (Integrating)	78056	MAGE-A4 Peptide (230-239)	78966
CD47 CRISPR/Cas9 Lentivirus (Non-Integrating)	78063	MAGE-A4 Peptide (286-294)	82305
CDH17 Lentivirus	82346	MART-1 Peptide (26-35)	78759
CIITA (Human) CRISPR/Cas9 Lentivirus (Integrating)	78435	MART-1 Peptide (26-35, Leu27)	78760
CIITA (Human) CRISPR/Cas9 Lentivirus (Non-integrating)	78434	MART-1 Peptide (27-35)	78761
Cyno EpCAM Lentivirus	78978	NY-ESO-1 Peptide (157-165)	78758
Dominant Negative TGF-β Receptor Type II (TGF-βRII) Lentivirus	78928	PRAME Peptide (394-402)	82307
GPRC5D Lentivirus	78716	PRAME Peptide (425-433)	78991
GPRC5D Lentivirus (Macaca fascicularis/Cynomolgus)	78780	PRAME Peptide (432-440)	82306
HLA-C*08:02 Lentivirus	78930	Primary Cells	
HLA-E Lentivirus	78929	Anti-Mesothelin CAR-T Cells	78729
Influenza A Virus HA TCR Lentivirus (Clone HA1.7)	78988	Dual Epitope Anti-BCMA CAR-T Cells	78790
KRAS G12D-Specific TCR Lentivirus (Clone 10)	78937	NY-ESO-1 (c259) TCR-T Cells	78990
KRAS G12D-Specific TCR Lentivirus (Clone 9c)	78936	Untransduced T Cells (MAGE-A4 TCR-T Negative Control)	82396
MAGE-A1-Specific TCR Lentivirus (Clone 1367)	78934	Untransduced T Cells (NY-ESO-1 TCR-T Negative Control)	78989
MAGE-A4 Specific TCR Lentivirus	78935	Anti-BCMA CAR-T Cells	78660
MART-1-Specific TCR Lentivirus (Clone DMF4)	78678	Anti-CD19 CAR-T Cells	78171
MART-1-Specific TCR Lentivirus (Clone DMF5)	78679	Anti-CD19 CAR-T Cells (eGFP)	78789
NY-ESO-1-Specific TCR Lentivirus (Clone 1G4)	78675	Anti-CD20 CAR-T Cells	78611
NY-ESO-1-Specific TCR Lentivirus (Clone c259)	78676	Anti-CD22 CAR-T Cells	78612
PRAME-Specific TCR Lentivirus	78959	CD4+ T cells, Negatively Selected (Human)	79752
PSMA Lentivirus	78726	CD8+ T cells, Negatively Selected (Human)	79753
PTK7 Lentivirus	82347	Human T Cell Activation Reagent	82283
TCR CRISPR/Cas9 Lentivirus (Integrating)	78055		
Trop2 Lentivirus (Macaca fascicularis/Cynomolgus)	78776		

Primary Cells	Catalog #	Proteins	Catalog #
MAGE-A4 TCR-T Cells	82390	CD47, Fc-Fusion, Streptavidin-Labeled	71292
PRAME TCR-T cells	82391	CD47, His-Tag (Human)	71127
Untransduced T Cells	78170	Claudin-18 Isoform 2, FLAG-Tag	101570
Untransduced T Cells (PRAME TCR-T Negative Control)	82397	EGFR, His-tag, GST-tag	40187
		GPC3, Avi-His Tag	100071
Proteins	Catalog #		
BAFF/APRIL Dual Antagonist	102254	GPC3, Avi-His-Tagged, Biotin-Labeled	100072
BCMA, Fc-fusion (IgG1), Avi-Tag, Biotin-Labeled	79467	HER2, GST-Tag	40230
BCMA, Fc-Fusion, Avi-Tag	79465	IL-12 (p40/p35) Fc Fusion (IgG1), Avi-Tag	101431
BCMA, Fc-Fusion, Avi-Tag, PE-Labeled	100733	IL-12 (p40/p35) Fc Fusion (IgG1), Avi-Tag, Biotin-Labeled	101432
c-Met, GST-Tag	40255	IL-2 (C145A)	100159
Carbonic Anhydrase 9 (CA9), His-tag	71101	IL-2 (R58A, F62A, Y65A, E82A, C145A) (Woodchuck)	100156
CD19, Avi-His-Tag	101015	IL-2 (R58D, K63E, E81R, C146A) (Woodchuck)	100157
CD19, Fc-Fusion (IgG1), Avi-Tag	79472	IL-2, Fc Fusion (IgG1), Avi-Tag, Biotin-Labeled	101381
CD19, Fc-Fusion (IgG1), Avi-Tag, Biotin-Labeled	79475	IL-2RB (CD122)	79655
CD19, Fc-Fusion (IgG1), Avi-Tag, PE-labeled	100732	IL-2RB, Avi-His-Tag	100427
CD20, FLAG-Tag	101572	IL-2RG, Avi-His-Tag, Biotin-Labeled	101149
CD22, Fc Fusion, Avi-Tag, PE-labeled	101028	IL2RB, Avi-FLAG-Tag, Biotin-Labeled HiP™	101314
CD22, Fc-fusion, Avi-Tag HiP™	79464	IL2RB, Avi-FLAG-Tag, HiP™	101313
CD22, Fc-fusion, Avi-Tag, Biotin-labeled HiP™	79466	IL2RB, Avi-His-Tag, Biotin-Labeled	100428
CD277 (BTN3A1), Fc-Fusion (IgG1) Avi-Tag	100073	Mesothelin, Avi-His-Tag, Biotin-Labeled, HiP™	100291
CD38, Avi-His-Tag	100346	Mesothelin, Avi-His-Tag, HiP™	100290
CD38, Avi-His-Tag, Biotin-Labeled HiP™	100352	PDPN, Fc-Fusion, Avi-Tag HiP™	79341
CD38, FLAG-Tag (Pig), HiP™	101019	PDPN, Fc-Fusion, Avi-Tag, Biotin-Labeled HiP™	79342
CD38, His-Tag (Dog)	100955	PSMA, His-Avi-Tag	100463
CD38, His-Tag (Human), HiP™	71277	ROR1, Fc-Fusion (IgG1), Avi-Tag	79481
CD38, His-Tag (Mouse), HiP™	79070	ROR1, Fc-Fusion (IgG1), Avi-Tag, Biotin-Labeled	79482
CD38, His-Tag, PE-labeled	71882	ROR1, GST-tag	40396
CD38-APC, His-Tag	71883	ROR2, Fc-Fusion (IgG1), Avi-Tag HiP™	100029
CD47 (Monkey), Fc Fusion (Human), Avi-Tag HiP™	79118	ROR2, Fc-Fusion (IgG1), Avi-Tag, Biotin-Labeled HiP™	100046
CD47 (Monkey), Fc Fusion (Human), Avi-Tag, Biotin HiP™	79302	ROR2, GST-tag	40296
CD47, Fc Fusion (IgG1)	71177	Trop2 (88-274), Fc Fusion (IgG1), Avi-Tag	101346
CD47, Fc fusion, Avi-Tag (Human) HiP™	79051	Trop2 (88-274), Fc Fusion (IgG1), Avi-Tag, Biotin-Labeled	101347
CD47, Fc Fusion, Avi-Tag, Biotin-Labeled (Mouse)	72514	Trop2, Fc Fusion (IgG1), Avi-Tag	101344
CD47, Fc fusion, Biotin-labeled (Human) HiP™	71169		



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