

PE/Dazzle™ 594 anti-human CD186 (CXCR6) Antibody

Catalog# / Size	356015 / 25 tests 356016 / 100 tests
Clone	K041E5
Regulatory Status	RUO
Other Names	BONZO, STRL33, TYMSTR
Isotype	Mouse IgG2a, κ
Description	CD186, also known as CXCR6, is a 39 kD, G-protein coupled chemokine receptor, with seven transmembrane-spanning regions. CXCR6 is expressed on activated and memory T cells. Its ligand is the chemokine CXCL16. CXCR6 is involved in the recruitment of cells to inflamed sites and is also a coreceptor for HIV.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	cDNA encoding human CXCR6
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood. * PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Product Citations	1. Caduff N, <i>et al.</i> 2021. Cell Reports. 35(5):109056. PubMed 2. Reuschl AK, <i>et al.</i> 2022. Cell Rep. 39:110650. PubMed
RRID	AB_2563973 (BioLegend Cat. No. 356015) AB_2563974 (BioLegend Cat. No. 356016)

Antigen Details

Structure	GPCR, seven transmembrane-spanning regions, 39 kD
Distribution	Memory T cells, activated T cells
Function	Chemotaxis, coreceptor for HIV

Ligand/Receptor	CXCL16
Cell Type	T cells
Biology Area	Immunology
Molecular Family	CD Molecules, Cytokine/Chemokine Receptors, GPCR
Antigen References	<ol style="list-style-type: none"> 1. Kim CH, <i>et al.</i> 2001. <i>J. Clin. Invest.</i> 107:595. 2. Nanki T, <i>et al.</i> 2005. <i>Arthritis Rheum.</i> 52:3004. 3. Van der Voort R, <i>et al.</i> 2005. <i>Arthritis Rheum.</i> 52:1381. 4. Aust G, <i>et al.</i> 2005. <i>Eur. J. Endocrinol.</i> 152:635. 5. Agostini C, <i>et al.</i> 2005. <i>Am. J. Respir. Crit. Care Med.</i> 172:1290. 6. Gaida MM, <i>et al.</i> 2008. <i>Clin. Exp. Immunol.</i> 154:216. 7. Huang Y, <i>et al.</i> 2008. <i>J. Immunol.</i> 180:2367.
Gene ID	10663

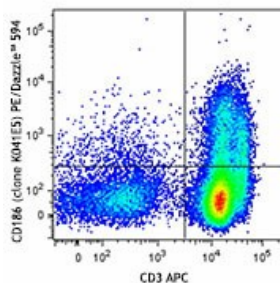
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Alexa Fluor® 647 anti-human CD186 (CXCR6), PE anti-human CD186 (CXCR6), Purified anti-human CD186 (CXCR6), APC anti-human CD186 (CXCR6), PerCP/Cyanine5.5 anti-human CD186 (CXCR6), PE/Cyanine7 anti-human CD186 (CXCR6), Brilliant Violet 421™ anti-human CD186 (CXCR6), PE/Dazzle™ 594 anti-human CD186 (CXCR6), Biotin anti-human CD186 (CXCR6), FITC anti-human CD186 (CXCR6), TotalSeq™-A0804 anti-human CD186 (CXCR6), TotalSeq™-C0804 anti-human CD186 (CXCR6)

Product Data



Human peripheral blood lymphocytes were stimulated with IL-2 for 7 days, and then stained with CD3 APC and CD186 (clone K041E5) PE/Dazzle™ 594.

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