

PE anti-human CX3CR1 Antibody

Catalog# / Size	355703 / 25 tests 355704 / 100 tests
Clone	K0124E1
Regulatory Status	RUO
Other Names	Chemokine C-X3-C receptor 1 (CX3CR1), V28, GPR13
Isotype	Mouse IgG1, κ
Description	CX3CR1 is a G-protein-coupled seven-transmembrane chemokine receptor, also known as GPR13 or V28. It is expressed on NK cells, T cell subset, monocytes/macrophages, dendritic cells, and some malignant epithelial cells. CX3CL1 (known as fractalkine, neurotactin) is the ligand of CX3CR1. CX3CL1 is a unique transmembrane molecule with a CX3C-motif chemokine domain and a mucin-like stalk. CX3CL1 is expressed by activated-endothelial cells, neurons, and astrocytes. The interaction of CX3CR1 and its ligand mediates cell firm adhesion and migration.

Product Details

Reactivity	Human, Cross-Reactivity: Cynomolgus, Rhesus
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	DNA vaccine with the full coding sequence of human GPCR cloned in expression vector.
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 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 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Product Citations	1. Lavaert M, <i>et al.</i> 2020. <i>Frontiers in Immunology</i> . 1.610416667. PubMed
RRID	AB_2561680 (BioLegend Cat. No. 355703) AB_2561681 (BioLegend Cat. No. 355704)

Antigen Details

Structure	G-protein-coupled seven transmembrane receptor
Distribution	NK cells, T cell subset, monocytes/macrophages, dendritic cells
Function	Cell adhesion and migration

Ligand/Receptor	CX3CL1 (fractalkine, FKN, neurotactin)
Cell Type	Dendritic cells, Macrophages, Monocytes, NK cells, T cells
Biology Area	Cell Biology, Immunology, Innate Immunity, Neuroinflammation, Neuroscience, Neuroscience Cell Markers
Molecular Family	Cytokine/Chemokine Receptors, GPCR
Antigen References	<ol style="list-style-type: none"> 1. Imai T, <i>et al.</i> 1997. <i>Cell</i>. 91:521. 2. Fong AM, <i>et al.</i> 1998. <i>J. Exp. Med.</i> 188:1413. 3. Auffray C, <i>et al.</i> 2009. <i>J. Exp. Med.</i> 206:595.
Gene ID	1524

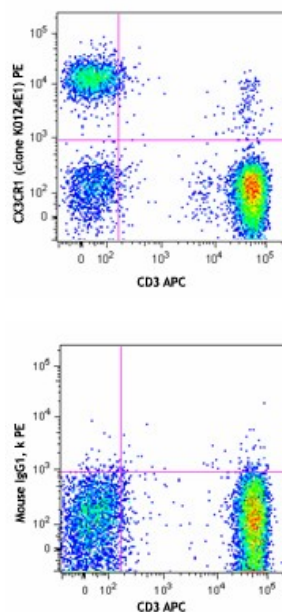
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CX3CR1, PE anti-human CX3CR1, TotalSeq™-C0179 anti-human CX3CR1, TotalSeq™-B0179 anti-human CX3CR1, TotalSeq™-A0179 anti-human CX3CR1

Product Data



Peripheral blood lymphocytes were stained with CD3 APC and anti-human CX3CR1 (clone K0124E1, top) PE or mouse IgG1, κ PE isotype control (bottom).

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