SONY

Product Data Sheet

Purified anti-human CX3CR1

Catalog # / Size: 2378510 / 100 µg
2378505 / 25 µg

Clone: K0124E1

Isotype: Mouse IgG1, κ

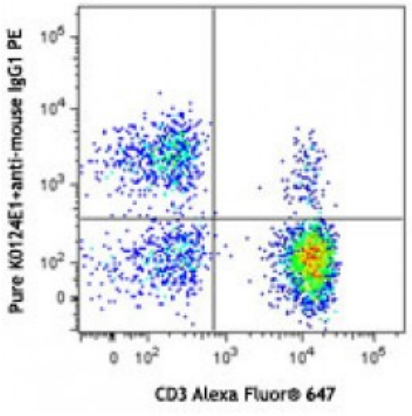
Immunogen: DNA vaccine with the full coding sequence of human GPCR cloned in expression vector.

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5

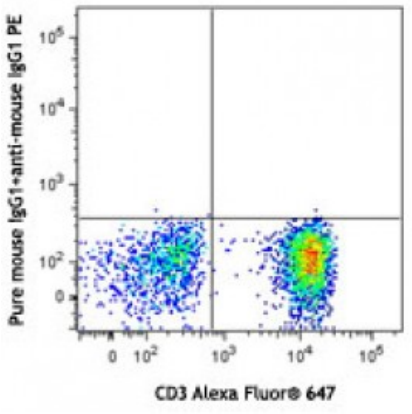


Human peripheral blood lymphocytes were stained with CD3 (clone HIT3a) Alexa Fluor® 647 and purified anti-human CX3CR1 (clone K0124E1, top) or mouse IgG1, κ isotype control (bottom), followed by anti-mouse IgG1 PE.

Applications:

Applications: Flow Cytometry

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 ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.



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.

Antigen References:

1. Imai T, *et al.* 1997. *Cell.* 91:521.
2. Fong AM, *et al.* 1998. *J. Exp. Med.* 188:1413.
3. Auffray C, *et al.* 2009. *J. Exp. Med.* 206:595.

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