

APC anti-human CX3CR1

Catalog # / Size: 2308045 / 25 tests
2308050 / 100 tests

Clone: 2A9-1

Isotype: Rat IgG2b, κ

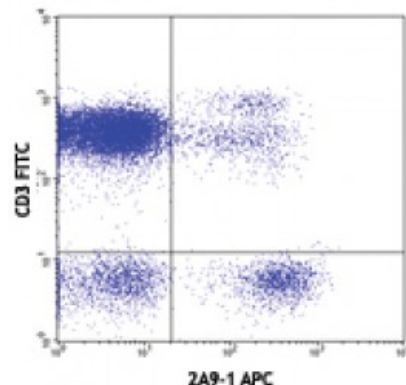
Immunogen: CX3CR1-EGFP fusion protein

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific

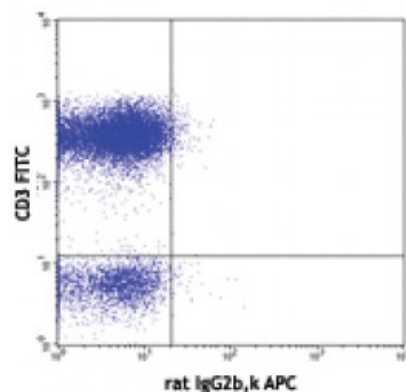


Human peripheral blood lymphocytes stained with CD3 FITC and 2A9-1 APC (top) or rat IgG2b, κ APC isotype control (bottom)

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



- Application References:**
1. Nishimura M, *et al.* 2002. *J. Immunol.* 168:6173.
 2. Nanki T, *et al.* 2002. *Arthritis Rheum.* 46:2878.
 3. Kobayashi T, *et al.* 2007. *Inflamm. Bowel Dis.* 13:837.
 4. Krishnan S, *et al.* 2013. *J Infect Dis.* 209:931. [PubMed](#)
 5. Krow-Lucal ER, *et al.* 2014. *Blood.* 123:1897. [PubMed](#)
 6. Wilson EM, *et al.* 2014. *J Infect Dis.* 210:1396. [PubMed](#)

Description: CX3CR1 is a G-protein-coupled seven-transmembrane chemokine receptor, also called GPR13 or V28. It is expressed on NK cells, T cell subset, monocytes/macrophages, dendritic cells, and some malignant epithelial cells. CX3CL1 (known also as fractalkine and 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 firm cell 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.

