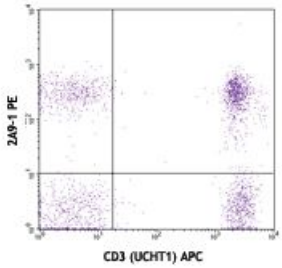
SONY

Product Data Sheet

Purified anti-human CX3CR1

Catalog # / Size:	2308010 / 100 µg
Clone:	2A9-1
Isotype:	Rat IgG2b, κ
Immunogen:	CX3CR1-EGFP fusion protein
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 stained with CD3 APC (UCHT1) and purified 2A9-1 conjugated with 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 ≤2.0 microg per million cells in 100 microL volume. 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. Beziat V, *et al.* 2011. *J. Immunol.* 186:6753. 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 mediatesfirm 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.