

# Mouse CX3CR1 PE-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: FAB5825P 100 TESTS, 25 TESTS

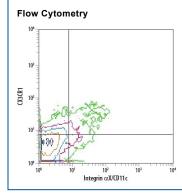
DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects human and mouse CX3CR1 in direct ELISAs and Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant mouse CX3CR1 Met1-Thr32, Leu92-Lys104, Thr169-Val196, Lys258-Leu274 Accession # Q9Z0D9		
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm		
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.		
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.		

## **APPLICATIONS**

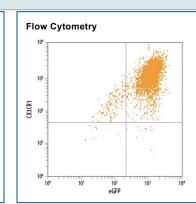
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μL/10 <sup>6</sup> cells	See Below

#### DATA



Detection of CX3CR1 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with Goat Anti-Mouse CX3CR1 PE-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # FAB5825P) and Anti-Mouse Integrin a/CD11c FITC-conjugated Mono-clonal Antibody. Quadrant markers were set based on control antibody staining (Catalog # IC108P). View our protocol for Staining Membrane-associated Proteins.



Detection of CX3CR1 in HEK293 Human Cell Line Transfected With eGFP and Mouse CX3CR1 by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with eGFP and mouse CX3CR1 was stained with Goat Anti-Mouse CX3CR1 PE-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # FAB5825P). Quadrant markers were set based on control antibody staining (Catalog # IC108P). View our protocol for Staining Membrane-associated Proteins.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

Protect from light. Do not freeze.

• 12 months from date of receipt, 2 to 8 °C as supplied.

### BACKGROUND

CX3CR1 (CX<sub>3</sub>C chemokine receptor 1; also known as fractalkine receptor, GPCR13 and V28) is a 40 kDa member of the δ-group of rhodopsin GPCRs. It is expressed on astrocytes, microglia, macrophages, Th1 and Tc1 T cells, NK cells, mouse Gr1<sup>lo</sup> monocytes plus smooth muscle and mast cells. CX3CR1 mediates adhesion to fractalkine, promotes avid binding of integrins to their ligands, and extends the life of monocytes. Mouse CX3CR1 is a 7-transmembrane protein that is 354 amino acids (aa) in length. It contains a 32 aa N-terminal extracellular region that shows no glycosylation, and a 56 aa C-terminal cytoplasmic domain. Over aa 1–32, 91–104, 169–196 and 258–274 collectively, mouse CX3CR1 shares 96% and 77% aa identity with rat and human CX3CR1, respectively.

