Mouse CX3CR1 APC-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: FAB5825A
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	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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.

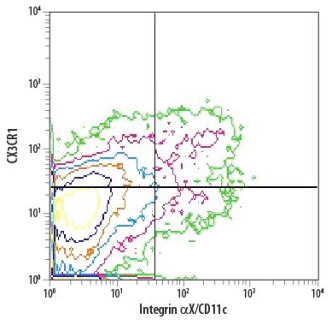
APPLICATIONS

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/10^6 cells	See Below

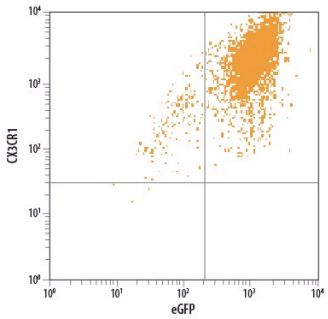
DATA

Flow Cytometry



Detection of CX3CR1 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with Goat Anti-Mouse CX3CR1 APC-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # FAB5825A) and Anti-Mouse Integrin αX/CD11c PE-conjugated Monoclonal Antibody . Quadrant markers were set based on control antibody staining (Catalog # IC108A). View our protocol for Staining Membrane-associated Proteins.

Flow Cytometry



Detection of CX3CR1 in HEK293 Cell Line Transfected With eGFP and Mouse CX3CR1 by Flow Cytometry. HEK293 cell line transfected with eGFP and mouse CX3CR1 was stained with Goat Anti-Mouse CX3CR1 APC-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # FAB5825A). Quadrant markers were set based on control antibody staining (Catalog # IC108A). 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_3C chemokine receptor 1; also 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 $Gr1^{lo}$ monocytes plus smooth muscle and mast cells. CX_3CR1 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 CX_3CR1 shares 96% and 77% aa identity with rat and human CX_3CR1, respectively.