Rat CXCR6 PE-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 879112

Catalog Number: FAB8196P
100 TESTS

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat CXCR6 in ELISA. Stains HEK293 cells transfected with rat CXCR6 by Flow Cytometry, but does not stain irrelevant transfectants.
Source	Monoclonal Mouse IgG_1 Clone # 879112
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with rat CXCR6
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.

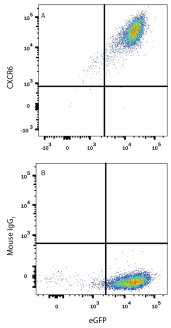
APPLICATIONS

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/10^6 cells	See Below

DATA

Flow Cytometry



Detection of CXCR6 in HEK293 Human Cell Line Transfected with Rat CXCR6 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with rat CXCR6 and eGFP were stained with and either (A) Mouse Anti-Rat CXCR6 PE-conjugated Monoclonal Antibody (Catalog # FAB8196P) or (B) Mouse IgG_1 Phycoerythrin Isotype Control (Catalog # IC002P). 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

CXCR6, also known as BONZO, STRL33, and CD186, is an approximately 45 kDa 7-TM domain chemokine receptor for the membrane-bound and soluble forms of CXCL16. CXCR6 is expressed on monocytes as well as on NKT, NK, CD4+, and CD8+ T cells. It is upregulated in a variety of cancers. CXCR6 mediates the recruitment of immune cells to sites of inflammation and tissue damage. It also promotes NK cell memory and tolerance to NKT cell-mediated graft rejection. CXCR6 enhances the invasiveness of both tumor cells and glial precursor cells. In addition, it can function as a cellular receptor for select variants of HIV types 1 and 2. Rat CXCR6 shares 72% and 88% amino acid sequence identity with human and mouse CXCR6, respectively.

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