

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CXCR1 transfectants but not CXCR2 transfectants by flow cytometry.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1122A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse CXCR1/IL-8 RA Peptide Accession # Q810W6
Formulation	Supplied as a solution in PBS containing BSA, Glycerol and Sodium Azide. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

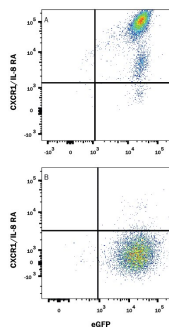
APPLICATIONS

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	0.25 µg/10 ⁶ cells	See Below

DATA

Flow Cytometry



Detection of CXCR1/IL-8 RA in HEK293 Human Cell Line Transfected with Mouse CXCR1/IL-8 RA and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with either (A) mouse CXCR1/IL-8 RA or (B) mouse CXCR2/IL-8 RB and eGFP was stained with Rabbit Anti-Mouse CXCR1/IL-8 RA Monoclonal Antibody (Catalog # MAB8628). Quadrant markers were set based on control antibody staining (Catalog # AB-105-C). 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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 °C, as supplied. ● 1 month, 2 to 8 °C under sterile conditions after opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

CXCR1, also known as IL-8 RA and CD181, is an approximately 60 kDa 7TM glycoprotein that functions as a receptor for the chemokine CXCL8/IL-8. It is expressed on neutrophils, monocytes, CD8 T cells, FoxP3+ CD4 Treg cells, mast cells, neuronal and glial cells, vascular endothelial cells, and melanoma. CXCR1 forms homodimers and heterodimers with CXCR2/IL-8 RB. It can be cleaved from neutrophils in the lungs of cystic fibrosis patients to release fragments that promote CXCL8 production from airway epithelial cells. CXCR1 mediates neutrophil activation and chemotaxis to sites of inflammation as well as angiogenesis and melanoma invasiveness. Mouse CXCR1 shares 65% and 89% amino acid sequence identity with human and rat CXCR1, respectively.

PRODUCT SPECIFIC NOTICES

* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.