

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human CXCR6 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2B} Clone # 56811
Purification	Protein A or G purified from ascites
Immunogen	NS0 mouse myeloma cell line transfected with human CXCR6 Met1-Leu342 Accession # O00574
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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
CyTOF-reported	Strauss-Albee, D.M. <i>et al.</i> (2015) <i>Sci. Transl. Med.</i> 7 : 297ra115. Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

<p>Flow Cytometry</p> <p>Detection of CXCR6 in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) either (A) treated with 20 ng/mL Recombinant Human IL-2 (Catalog # 202-IL) for 6 days or (B) untreated were stained with Mouse Anti-Human CXCR6 Monoclonal Antibody (Catalog # MAB699) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B) and Mouse Anti-Human CD3ε PE-conjugated Monoclonal Antibody (Catalog # FAB100P). Quadrant markers were set based on control antibody staining (Catalog # MAB0041). View our protocol for Staining Membrane-associated Proteins.</p>	<p>Flow Cytometry</p> <p>Detection of CXCR6 in HEK293 Human cell line transfected with Human CXCR6 and eGFP by Flow Cytometry. HEK293 Human cell line transfected with either (A) Human CXCR6 or (B) irrelevant transfectant and eGFP, was stained with Mouse Anti-Human CXCR6 Monoclonal Antibody (Catalog # MAB699) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on control antibody staining (Catalog # MAB0041). View our protocol for Staining Membrane-associated Proteins.</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. 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 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CXCR6, also known as Bonzo and STRL33, is a G protein coupled chemokine receptor expressed on activated T cells and tumor-infiltrating lymphocytes. It binds soluble CXCL16 and membrane-anchored CXCL16 expressed on dendritic cells and macrophages.