

# **Human CXCR6 Antibody**

Recombinant Monoclonal Mouse IgG<sub>2B</sub> Clone # 56811R Catalog Number: MAB699R

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human CXCR6 in direct ELISAs.
Source	Recombinant Monoclonal Mouse IgG <sub>2B</sub> Clone # 56811R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human CXCR6 Met1-Leu342 Accession # 000574
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.

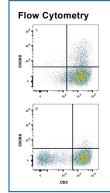
	Recommended Sample Concentration
Flow Cytometry	0.25 μg/10 <sup>6</sup> cells See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.

### DATA



Flow Cytometry

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 # MAB699R) 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.



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 # MAB699R) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B) and Mouse Anti-Human CD3 epsilon PEconjugated Monoclonal Antibody (Catalog # FAB100P). Quadrant markers were set based on control antibody staining (Catalog # MAB0041). View our protocol for Staining Membrane-associated Proteins.

## 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

- 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.

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