**DESCRIPTION**

**Species Reactivity** Mouse  
**Specificity** Stains mouse CXCR6-transfected cells but not irrelevant transfectants.  
**Source** Monoclonal Rat IgG2B Clone # 221002  
**Purification** Protein A or G purified from hybridoma culture supernatant  
**Immunogen** CHO Chinese hamster ovary cell line transfected with mouse CXCR6 Met1-Leu351  
Accession # Q9EQ16  
**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**

**Flow Cytometry**  
Recommended Concentration: 0.25 µg/10^6 cells  
**CyTOF-ready** Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.

**DATA**

Detection of CXCR6 in BaF3 Mouse Cell Line Transfected with Mouse CXCR6 and eGFP by Flow Cytometry. BaF3 mouse pro-B cell line transfected with mouse CXCR6 and eGFP was stained with and either (A) Rat Anti-Mouse CXCR6 Monoclonal Antibody (Catalog # MAB2145) or (B) Rat IgG2B Isotype Control (Catalog # MAB0061) followed by Allophycocyanin-conjugated Anti-Rat IgG Secondary Antibody (Catalog # F0113). 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.

**Stability & Storage**  
- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  
  - 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.