

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCR6. Stains human CCR6 transfectants but not the parental cell line in flow cytometry. Does not cross-react with transfectants expressing human CCR1, CCR2, CCR3, CCR4, CCR5, CCR7, CXCR1, CXCR2, CXCR3, CXCR4, or STRL33.
Source	Monoclonal Mouse IgG _{2B} Clone # 53103
Purification	Protein A or G purified from ascites
Immunogen	NS0 mouse myeloma cell line transfected with human CCR6 Met1-Met374 Accession # P51684
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.

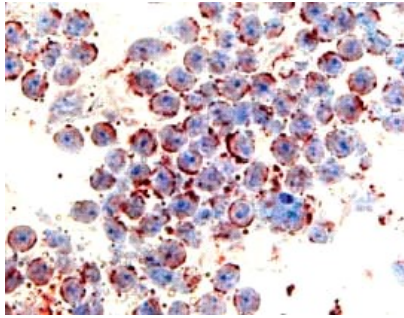
APPLICATIONS

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	2.5 µg/10 ⁶ cells	Human peripheral blood CD19 ⁺ B cells
Immunohistochemistry	8-25 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Immunohistochemistry



CCR6 in Human Spleen.
CCR6 was detected in immersion fixed paraffin-embedded sections of human spleen using 25 µg/mL Human CCR6 Monoclonal Antibody (Catalog # MAB195) overnight at 4 °C. Before incubation with the primary antibody tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained with the Anti-Mouse HRP-AEC Cell & Tissue Staining Kit (red; Catalog # CTS003) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

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

CCR6 is a seven transmembrane-spanning G protein-coupled receptor that binds the chemokine MIP-3α and mediates the chemoattraction of B and T lymphocytes.