



Monoclonal Anti-human CCR6 Antibody

ORDERING INFORMATION

Catalog Number: MAB195

Clone: 53103

Lot Number: BIL03

Size: 500 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human CCR6

Immunogen: NS0 cells transfected with
human CCR6

Ig class: mouse IgG_{2b}

Recommended Applications:

Flow cytometry
Immunohistochemistry

Background

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

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with transfected NS0 cells human CCR6 (rhCCR6; Accession # P51684). The IgG fraction of the ascites fluid was purified by Protein G affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 500 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for at least 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a **manual defrost freezer** for at least six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody reacts specifically with human CCR6 transfectants and not the parental cell line in flow cytometry. This antibody does not cross-react with transfectants expressing human CCR1, CCR2, CCR3, CCR4, CCR5, CCR7, CXCR1, CXCR2, CXCR3, CXCR4, or STRL33.

Applications

Flow cytometry - This antibody can be used at 1 µg/10⁶ cells to detect CCR6 on human PBMCs.

Immunohistochemistry - This antibody was used at a concentration of 25 µg/mL with appropriate secondary reagents to detect CCR6 in frozen human tissue sections. For chromogenic detection of labeling, the use of R&D Systems Cell and Tissue Staining Kits (CTS Series) is recommended.

For immunohistochemistry images, please refer to our website at <http://www.RnDSystems.com/go/ihc>.

Optimal dilutions should be determined by each laboratory for each application.