

DESCRIPTION

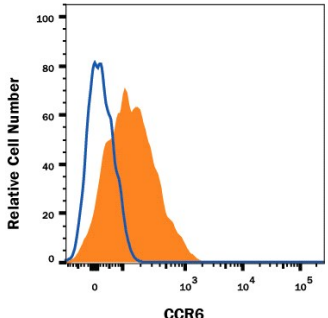
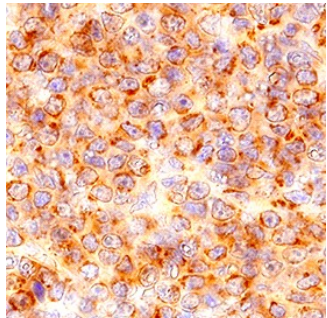
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|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects human CCR6. Stains human CCR6 transfectants but not the parental cell line in flow cytometry. |
| Source | Recombinant Monoclonal Mouse IgG _{2B} Clone # 53103R |
| Purification | Protein A or G purified from cell culture supernatant |
| 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 | 0.25 µg/10 ⁶ cells | See Below |
| Immunohistochemistry | 5-25 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

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| <p>Flow Cytometry</p>  <p>Detection of CCR6 in CD19+ Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) were stained with Mouse Anti-Human CD19 PE-conjugated Monoclonal Antibody (Catalog # FAB4867P) and either Mouse Anti-Human CCR6 Monoclonal Antibody (Catalog # MAB195R, filled histogram) or Mouse IgG2B Isotype Control (Catalog # MAB0041) followed by Goat anti-Mouse IgG APC-conjugated secondary antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins.</p> | <p>Immunohistochemistry</p>  <p>CCR6 in Human Spleen. CCR6 was detected in immersion fixed paraffin-embedded sections of human spleen using Mouse Anti-Human CCR6 Monoclonal Antibody (Catalog # MAB195R) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in splenocytes. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.</p> |
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PREPARATION AND STORAGE

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|--------------------------------|--|
| 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.