

DESCRIPTION

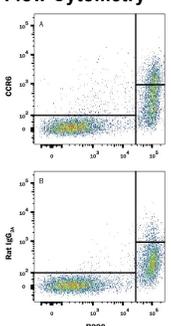
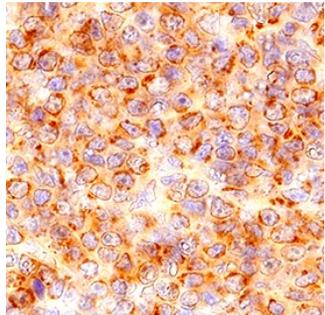
Species Reactivity	Mouse
Specificity	Detects mouse CCR6-transfected rat RBL cells but not the parent cell line or cells transfected with mouse CCR5.
Source	Recombinant Monoclonal Rat IgG _{2A} Clone # 140706R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	RBL-1 rat basophilic leukemia cell line transfected with mouse CCR6 Met1-Met367 Accession # O54689
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

<p>Flow Cytometry</p>  <p>Detection of CCR6 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with (A) Rat Anti-Mouse CCR6 Monoclonal Antibody (Catalog # MAB590R) or (B) Rat IgG2A control antibody (Catalog # MAB006) followed by Goat anti-Rat IgG APC-conjugated Secondary Antibody (Catalog # F0113) and Rat Anti-Mouse B220/CD45R Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB1217F). View our protocol for Staining Membrane-associated Proteins.</p>	<p>Immunohistochemistry</p>  <p>CCR6 in Mouse Spleen. CCR6 was detected in immersion fixed paraffin-embedded sections of mouse spleen using Rat Anti-Mouse CCR6 Monoclonal Antibody (Catalog # MAB590R) 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 and cell surfaces in lymphocytes. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.</p>
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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.