

## **Mouse CCR6 Antibody**

Monoclonal Rat IgG<sub>2A</sub> Clone # 140706 Catalog Number: MAB590

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	Monoclonal Rat IgG <sub>2A</sub> Clone # 140706		
Purification	Protein A or G purified from hybridoma 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.		

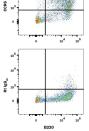
### **APPLICATIONS**

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 <sup>6</sup> cells	See Below	
Immunohistochemistry	8-25 μg/mL	See Below	
CyTOF-ready	Ready to be labeled with conjugation.	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

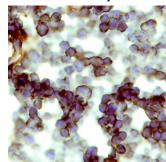
#### DATA

Flow Cytometry



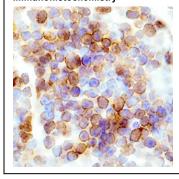
Detection of CCR6 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes were stained with (A) Rat Anti-Mouse CCR6 Monoclonal Antibody (Catalog # MAB590) or (B) Rat IgG2A control antibody (Catalog # MAB006) followed by Goat anti-Rat IgG APC-conjugated Secondary Antibody (Catalog # F0113) and Rat Anti-Mouse B220/CD45R Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB1217F). View our protocol for Staining Membrane-associated Proteins.

#### Immunohistochemistry



CCR6 in Mouse Thymus. CCR6 was detected in perfusion fixed frozen sections of mouse thymus using Mouse CCR6 Monoclonal Antibody (Catalog # MAB590) at 8 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Rat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS017) and counterstained with hematoxylin (blue). Specific labeling was localized to the plasma membrane of lymphocytes. View our protocol for Chromogenic IHC Staining of Frozen Tissue Sections.

#### Immunohistochemistry



CCR6 in Mouse Spleen. CCR6 was detected in immersion fixed frozen sections of mouse spleen using Rat Anti-Mouse CCR6 Monoclonal Antibody (Catalog # MAB590) at 0.3 μg/mL overnight at 4 °C. Tissue was stained using the Anti-Rat HRP-DAB Cell & Tissue Staining Kit (brown; CTS017) and counterstained with hematoxylin (blue). Specific staining was localized to plasma membranes in lymphocytes. View our protocol for Chromogenic IHC Staining of Frozen 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

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- 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.

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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.

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