

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CCR6-transfected rat RBL cells but not the parent cell line or cells transfected with mouse CCR5.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 140706
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	RBL-1 rat basophilic leukemia cell line transfected with mouse CCR6 Met1-Met367 Accession # O54689
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

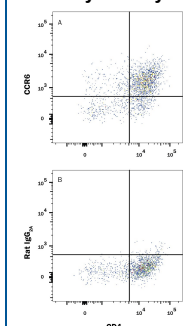
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	See Below

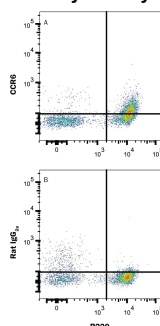
## DATA

### Flow Cytometry



**Detection of CCR6 in Mouse Th17-Differentiated Splenocytes by Flow Cytometry.** Mouse splenocytes differentiated to Th17 cells with plate-bound Rat anti-Mouse CD3 epsilon monoclonal antibody (Catalog # [MAB484](#), 5 µg/mL) plus Goat anti-Mouse CD28 (Catalog # [AF483](#), 5 µg/mL), Recombinant Human TGF- beta 1 (Catalog # [240-B](#), 10 ng/mL) Recombinant Mouse IL-23 (Catalog # [1887-ML](#), 20 ng/mL), Recombinant Mouse IL-6 (Catalog # [406-ML](#), 40 ng/mL), Recombinant Mouse IL-1 beta (Catalog # [401-ML](#), 10 ng/mL), and Rat anti-Mouse IFN-gamma (Catalog # [MAB485](#), 10 µg/mL) for 5 days were stained with (A) Rat Anti-Mouse CCR6 Alexa Fluor® 594-conjugated Monoclonal Antibody (Catalog # [FAB590T](#)) or (B) RatIgG2A isotype control antibody (Catalog # [IC006T](#)) and Rat Anti-Mouse CD4 APC-conjugated Monoclonal Antibody (Catalog # [FAB554A](#)). View our protocol for [Staining Membrane-associated Proteins](#).

### Flow Cytometry



**Detection of CCR6 in Mouse Splenocytes by Flow Cytometry.** Mouse splenocytes were stained with (A) Rat Anti-Mouse CCR6 Alexa Fluor® 594-conjugated Monoclonal Antibody (Catalog # [FAB590T](#)) or (B) RatIgG2A isotype control antibody (Catalog # [IC006T](#)) and Rat Anti-Mouse B220/CD45R APC-conjugated Monoclonal Antibody (Catalog # [FAB1217A](#)). Staining was performed using our [Staining Membrane-associated Proteins](#) protocol.

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## 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.

## PRODUCT SPECIFIC NOTICES

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