

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects mouse CCR6-transfected rat RBL cells but not the parent cell line or cells transfected with mouse CCR5. Detects human CCR6 in flow cytometry.
Source	Monoclonal Rat IgG _{2A} 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
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	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.

	Recommended Concentration	Sample
Flow Cytometry	5 µL/10 ⁶ cells	See Below

DATA

<p>Flow Cytometry</p> <p>Detection of CCR6 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes either (A) untreated or (B) treated with PMA, Calcium Ionomycin, LPS, and Recombinant Mouse IL-23 (Catalog # 1887-ML) overnight to induce Th17 activation were stained with Rat Anti-Mouse CD4 APC-conjugated Monoclonal Antibody (Catalog # FAB554A) and either (A) Rat Anti-Mouse CCR6 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB590G) or (B) Rat IgG_{2A} Alexa Fluor 488 Isotype Control (Catalog # IC006G). View our protocol for Staining Membrane-associated Proteins.</p>	<p>Flow Cytometry</p> <p>Detection of CCR6 in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD19 APC-conjugated Monoclonal Antibody (Catalog # FAB4867A) and either (A) Rat Anti-Human/Mouse CCR6 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB590G) or (B) Rat IgG_{2A} Alexa Fluor 488 Isotype Control (Catalog # IC006G). View our protocol for Staining Membrane-associated Proteins.</p>
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PREPARATION AND STORAGE

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

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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