DESCRIPTION

Species Reactivity Mouse/Rat

Specificity Detects mouse and rat CCR10. Stains mouse CCR10-transfected cells but not irrelevant transfectants.

Source Monoclonal Rat IgG₂A Clone # 248918

Purification Protein A or G purified from hybridoma culture supernatant

Immunogen C6 rat glioma cell line transfected with mouse CCR10 Met1-Asn362
Accession # NP_031747

Conjugate Allophycocyanin
Excitation Wavelength: 620-650 nm
Emission Wavelength: 660-670 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
10 µL/10⁶ cells
See Below

DATA

Flow Cytometry Detection of CCR10 in B16-F1 Mouse Cell Line by Flow Cytometry. B16-F1 mouse melanoma cell line was stained with Rat Anti-Mouse/Rat CCR10 APC-conjugated Monoclonal Antibody (Catalog # FAB2815A, filled histogram) or isotype control antibody (Catalog # IC006A, open histogram). View our protocol for Staining Membrane-associated Proteins.

Flow Cytometry Detection of CCR10 in Rat Splenocytes by Flow Cytometry. Rat splenocytes were stained with Rat Anti-Mouse/Rat CCR10 APC-conjugated Monoclonal Antibody (Catalog # FAB2815A) and Anti-Rat CD3 PE-conjugated Antibody. Quadrant markers were set based on control antibody staining (Catalog # IC006A). View our protocol for Staining Membrane-associated Proteins.

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.

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CCR10 is a G protein-linked seven transmembrane domain protein expressed by T cells and B cell subsets that functions as a receptor for CCL27. CCR10 mediates lymphocyte migration to the skin and mucosa, and its expression correlates with the metastatic capacity of melanomas.