

DESCRIPTION

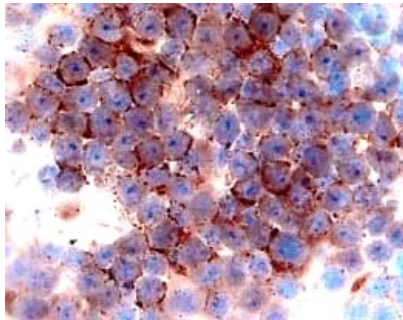
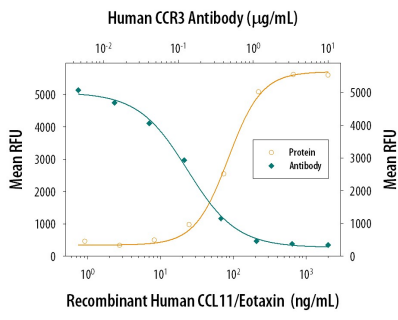
Species Reactivity	Human
Specificity	Detects human CCR3 transfectants in flow cytometry. In flow cytometry, no cross-reactivity with CCR1, CCR2, CCR5, and CCR6 transfectants or the parental cell line is observed. Detects CCR3 on peripheral blood eosinophils.
Source	Monoclonal Rat IgG _{2A} Clone # 61828
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Y3 rat myeloid cell line transfected with human CCR3 Accession # P51677
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
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	2.5 µg/10 ⁶ cells	Human CD49d* peripheral blood cells
Immunohistochemistry	8-25 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.	
Neutralization	Measured by its ability to neutralize CCL11/Eotaxin-induced chemotaxis in the BaF3 mouse proB cell line transfected with human CCR3. The Neutralization Dose (ND ₅₀) is typically 0.05-0.25 µg/mL in the presence of 0.333 µg/mL Recombinant Human CCL11/Eotaxin.	

DATA

<p>Immunohistochemistry</p>  <p>CCR3 in Human Lymph Node. CCR3 was detected in immersion fixed paraffin-embedded sections of human lymph node using 15 µg/mL Rat Anti-Human CCR3 Monoclonal Antibody (Catalog # MAB155) overnight at 4 °C. Tissue was stained with the Anti-Rat HRP-AEC Cell & Tissue Staining Kit (red; Catalog # CTS018) and counterstained with hematoxylin (blue). View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p>	<p>Neutralization</p>  <p>Chemotaxis Induced by CCL11/Eotaxin and Neutralization by Human CCR3 Antibody. Recombinant Human CCL11/Eotaxin (Catalog # 320-EO) chemoattracts the BaF3 mouse proB cell line transfected with human CCR3 in a dose-dependent manner (orange line). The amount of cells that migrated through to the lower chemotaxis chamber was measured by Resazurin (Catalog # AR002). Chemotaxis elicited by Recombinant CCL11/Eotaxin (0.333 µg/mL) is neutralized (green line) by increasing concentrations of Rat Anti-Human CCR3 Monoclonal Antibody (Catalog # MAB155). The ND₅₀ is typically 0.05-0.25 µg/mL.</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

CCR3 is a G protein-linked seven transmembrane chemokine receptor that preferentially binds eotaxin and eotaxin-2.