

**DESCRIPTION**

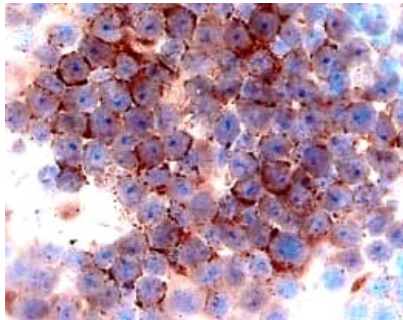
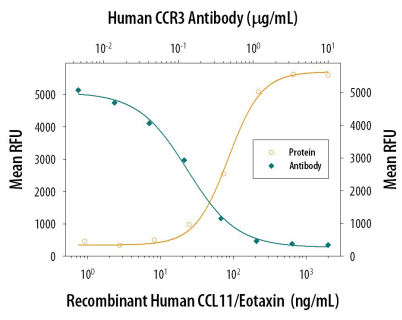
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CCR3 transfectants in flow cytometry. In flow cytometry, no cross-reactivity with CCR1, CCR2, CCR5, and CCR6 transfectants or the parental cell line is observed. Detects CCR3 on peripheral blood eosinophils.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 61828
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Y3 rat myeloid cell line transfected with human CCR3 Accession # P51677
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	Human CD49d* peripheral blood cells
<b>Immunohistochemistry</b>	8-25 µg/mL	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
<b>Neutralization</b>	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 <sub>50</sub> ) is typically 0.05-0.25 µg/mL in the presence of 0.333 µg/mL Recombinant Human CCL11/Eotaxin.	

**DATA**

<p><b>Immunohistochemistry</b></p>  <p><b>CCR3 in Human Lymph Node.</b> 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 &amp; 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><b>Neutralization</b></p>  <p><b>Chemotaxis Induced by CCL11/Eotaxin and Neutralization by Human CCR3 Antibody.</b> 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 ND<sub>50</sub> is typically 0.05-0.25 µg/mL.</p>
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**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

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