

# CCR3 Rabbit mAb

Catalog # AP78664

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC
<b>Primary Accession</b>	<a href="#">P51677</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human CCR3
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	41044

## Additional Information

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<b>Gene ID</b>	1232
<b>Other Names</b>	CCR3
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	CCR3
<b>Synonyms</b>	CMKBR3
<b>Function</b>	G protein-coupled receptor (GPCR) that plays a key role in the immune system by regulating the migration and activation of white blood cells in response to chemokines (PubMed: <a href="#">28994588</a> ). Selectively interacts with eosinophil-attracting chemokines such as eotaxin/CCL11, eotaxin-2/CCL24 and eotaxin-3/CCL26 (PubMed: <a href="#">7622448</a> , PubMed: <a href="#">8642344</a> , PubMed: <a href="#">8676064</a> ). Ligand binding triggers intracellular signaling that leads to chemotaxis of immune cells. Mechanistically, signals through GNA14 or GNA16 to induce stimulation of phospholipase Cbeta/PLCB2 and subsequently chemotaxis (PubMed: <a href="#">18406577</a> ). Alternatively, transduces signal via GNAI1 resulting in elevated intracellular calcium levels and activation of the PI3K/AKT pathway (PubMed: <a href="#">8676064</a> , PubMed: <a href="#">35570218</a> ). May also act as a possible functional receptor for NARS1 (PubMed: <a href="#">30171954</a> ).

**Cellular Location**

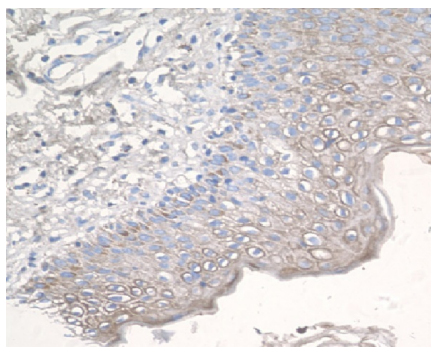
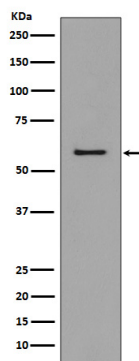
Cell membrane; Multi-pass membrane protein

**Tissue Location**

In eosinophils as well as trace amounts in neutrophils and monocytes.

**Images**

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.