

CCR3 Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10348

Specification

CCR3 Antibody (Extracellular Domain) - Product Information

Application	IHC-P, E
Primary Accession	P51677
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa
Dilution	IHC-P~~N/A E~~N/A

CCR3 Antibody (Extracellular Domain) - Additional Information

Gene ID 1232

Other Names

C-C chemokine receptor type 3, C-C CKR-3, CC-CKR-3, CCR-3, CCR3, CKR3, Eosinophil eotaxin receptor, CD193, CCR3, CMKBR3

Target/Specificity

Human CCR3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

CCR3 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

CCR3 Antibody (Extracellular Domain) - Protein Information

Name CCR3

Synonyms CMKBR3

Function

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: [28994588](http://www.uniprot.org/citations/28994588)). Selectively interacts with eosinophil-attracting chemokines such as eotaxin/CCL11, eotaxin-2/CCL24 and eotaxin-3/CCL26 (PubMed: [7622448](http://www.uniprot.org/citations/7622448), PubMed: [8642344](http://www.uniprot.org/citations/8642344), PubMed: [8676064](http://www.uniprot.org/citations/8676064))

target="_blank">8676064). Ligand binding triggers intracellular signaling that leads to chemotaxis of immune cells. Mechanistically, signals through GNA14 or GNA16 to induce stimulation of phospholipase C β /PLCB2 and subsequently chemotaxis (PubMed:18406577). Alternatively, transduces signal via GNAI1 resulting in elevated intracellular calcium levels and activation of the PI3K/AKT pathway (PubMed:8676064, PubMed:35570218). May also act as a possible functional receptor for NARS1 (PubMed:30171954).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

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

Volume

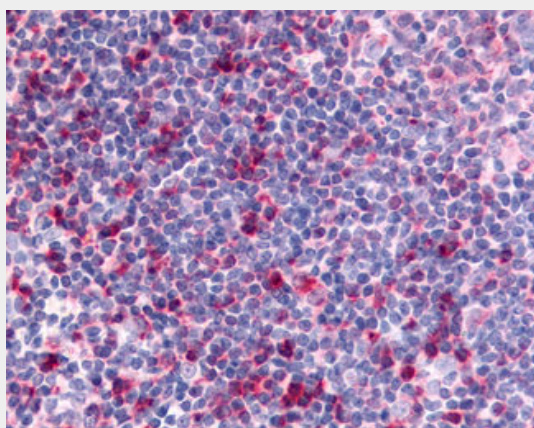
50 μ l

CCR3 Antibody (Extracellular Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CCR3 Antibody (Extracellular Domain) - Images



Anti-CCR3 antibody ALS10348 IHC of human tonsil, lymphocytes.

CCR3 Antibody (Extracellular Domain) - Background

Receptor for a C-C type chemokine. Binds to eotaxin, eotaxin-3, MCP-3, MCP-4, RANTES and MIP-1 delta. Subsequently transduces a signal by increasing the intracellular calcium ions level. Alternative coreceptor with CD4 for HIV-1 infection.

CCR3 Antibody (Extracellular Domain) - References

- Combadiere C.,et al.J. Biol. Chem. 270:16491-16494(1995).
Combadiere C.,et al.J. Biol. Chem. 270:30235-30235(1995).
Daugherty B.L.,et al.J. Exp. Med. 183:2349-2354(1996).
Ponath P.D.,et al.J. Exp. Med. 183:2437-2448(1996).
Xiao L.,et al.Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.