

Rabbit CCR3 Polyclonal Antibody | anti-CCR3 antibody

Anti-CCR3 Picoband antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124666	Rabbit	Human, Mouse, RatNo cross reactivity with other proteins.	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CCR3; Polyclonal Antibody; Anti-CCR3 Picoband antibody; C-C chemokine receptor type 3; C-C CKR-3; CC-CKR-3; CCR-3; CKR3; Eosinophil eotaxin receptor; CD193; CMKBR3; anti-CCR3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	376
Applicable Applications for anti-CCR3 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	A synthetic peptide corresponding to a sequence of human CCR3 (MTTSLDTVETFGTTSYYDDVGLLCEKADTRALMA).
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	In eosinophils as well as trace amounts in neutrophils and monocytes.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of RAW264.7 cells using anti-CCR3 antibody (AAA124666).Overlay histogram showing RAW264.7 cells stained with AAA124666 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CCR3 Antibody (AAA124666,1ug/1x10^6 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10^6 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of CCR3 using anti-CCR3 antibody (AAA124666).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human Jurkat whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human MCF-7 whole cell lysates,Lane 4: human U-87MG whole cell lysates,Lane 5: human CCRF-CEM whole cell lysates,Lane 6: rat brain tissue lysates,Lane 7: mouse brain tissue lysates,Lane 8: mouse testis tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CCR3 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CCR3 at approximately 55KD. The expected band size for CCR3 is at 41KD.

ADDITIONAL INFORMATION

Related Product Information for anti-CCR3 antibody	Description: C-C chemokine receptor type 3, also called CCR3 or CKR3 is a protein that in humans is encoded by the CCR3 gene. The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. This receptor binds and responds to a variety of chemokines, including eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. Alternatively spliced transcript variants have been described. Protein Function: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502637
NCBI GeneID	1232
NCBI Accession #	NP_001828.1
NCBI GenBank Nucleotide #	NM_001837.3
UniProt Accession #	P51677; Q15748; Q2YDB9; Q86WD2; Q8TDP6; Q9JULY8; B3KVQ1; F5GWL6
Molecular Weight	43,453 Da
NCBI Official Full Name	C-C chemokine receptor type 3 isoform 1
NCBI Official Synonym Full Names	C-C motif chemokine receptor 3
NCBI Official Symbol	CCR3
NCBI Official Synonym Symbols	CKR3; CD193; CMKBR3; CC-CKR-3
NCBI Protein Information	C-C chemokine receptor type 3
UniProt Protein Name	C-C chemokine receptor type 3
UniProt Gene Name	CCR3
UniProt Synonym Gene Names	CMKBR3; C-C CKR-3; CC-CKR-3; CCR-3; CCR3; CKR3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ccr3-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/124666>