

## Anti-CCR3 Polyclonal Antibody

## Product Details

|                   |                                     |
|-------------------|-------------------------------------|
| Ig Type:          | IgG                                 |
| Reactivity:       | Human,Rat (predicted:Mouse,Dog,Cow) |
| Molecular Weight: | Theoretical: 41 kDa.                |
| Purification:     | Protein A purified                  |

## Applications

|                    |   |
|--------------------|---|
| Verified Activity: | 1. Tissue/cell: rat colitis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CCR3 Polyclonal Antibody, Unconjugated (TMAB-00324) 1:200, overnight at 4° C, followed by conjugation to the secondary antibody and DAb staining.     |
|                    | 2. Tissue/cell: human breast carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CCR3 Polyclonal Antibody, Unconjugated (TMAB-00324) 1:200, overnight at 4° C, followed by conjugation to the secondary antibody and DAb staining. |
| Application:       | IF,IHC-Fr,IHC-P   |
| Recommended        | IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500  |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | KLH conjugated synthetic peptide: human CCR3  |
| Antigen Species: | Human   |
| Gene ID:         | 1232  |
| Uniprot ID:      | P51677  |
| Synonyms:        | Macrophage inflammatory protein 1 alpha receptor like 2;CMKBR3;CD 193;C-C chemokine receptor type 3;MGC102841;B chemokine receptor;CK R3;CC R3;CCR3;CKR 3;Macrophage inflammatory protein 1-alpha receptor-like 2;MIP-1 alpha receptor like-2;CCR-3;CC chemokine receptor 3;Eosinophil CC chemokine receptor 3;Chemokine(CC) receptor 1 like 2;CC CKR 3;CKR3; Probable C-C chemokine receptor type 3;C C CKR 3;CC-CKR-3;CCR 3;CD193;MIP-1 alpha RL2;C-C CKR-3;CMKB R3;MIP1 alpha RL2;Chemokine receptor 3;CMKBR 3;Eotaxin receptor;Chemokine CC motif receptor 3;CC chemokine receptor type 3;CMKBR1L2;CD193 antigen;Chemokine(C-C motif) receptor 3;CCCKR3;Eosinophil eotaxin receptor |
| Biology Area:    | HIV-related,Beta Chemokine Rec. (CCR),GPCR  |

### Research Background

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 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. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. Alternatively spliced transcript variants encoding the same protein have been described.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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