

## CCL4 Antibody / MIP-1 beta (R31955)

| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R31955      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Antigen affinity purified   |
| <b>Host</b>               | Rabbit  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)  |
| <b>Isotype</b>            | Rabbit IgG  |
| <b>Purity</b>             | Antigen affinity  |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide   |
| <b>UniProt</b>            | P13236  |
| <b>Applications</b>       | Western Blot : 0.1-0.5ug/ml<br>ELISA : 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating |
| <b>Limitations</b>        | This CCL4 antibody is available for research use only.  |



Western blot testing of human HeLa cell lysate with CCL4 antibody. Expected molecular weight: 10/8 kDa (precursor/mature).

## Description

Chemokine (C-C motif) ligand 4, also known as CCL4, is a protein which in human is encoded by the CCL4 gene. By analysis of somatic cell hybrids and by in situ hybridization, the CCL4 gene was assigned to 17q21-q23. It is a CC chemokine with specificity for CCR5 receptors. And it is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. CCL4 is a major HIV-suppressive factor produced by CD8+ T cells. Performing-low memory CD8+ T cells that normally synthesize CCL4. Based on functional analysis of CCL4, one or more additional beta chemokine receptors that transduce CCL4 signals must also exist. MIP-1alpha and CCL4 have been shown to lack affinity for the

erythrocyte surface chemokine receptor/Duffy antigen that binds many alpha as well as beta chemokines(11, 14).

## **Application Notes**

Optimal dilution of the CCL4 antibody should be determined by the researcher.

## **Immunogen**

Amino acids 24-92 of human CCL4 were used as the immunogen for the CCL4 antibody.

## **Storage**

After reconstitution, the CCL4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.