CCL5 Antibody / RANTES (R31958)

Catalog No.	Formulation	Size
R31958	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P13501
Applications	Western Blot : 0.1-0.5ug/ml ELISA : 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating
Limitations	This CCL5 antibody is available for research use only.

Western blot testing of human HUT cell lysate with CCL5 antibody. Expected/observed molecular weight ~11 kDa.

Description

Chemokine (C-C motif) ligand 5 is a protein which in humans is encoded by the CCL5 gene. It is also known as RANTES. This gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor

chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms.

Application Notes

Optimal dilution of the CCL5 antibody should be determined by the researcher.

Immunogen

Amino acids 26-91 of human /CCL5RANTES were used as the immunogen for the CCL5 antibody.

Storage

After reconstitution, the CCL5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.