

RANTES Antibody / CCL5 [clone ADHH-3] (RQ5403)

Catalog No.	Formulation	Size
RQ5403	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

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Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ADHH-3
Purity	Affinity purified
UniProt	P13501
Applications	Western Blot : 1:1000-1:5000
Limitations	This RANTES antibody is available for research use only.



Western blot testing of human recombinant protein with RANTES antibody. Predicted molecular weight ~11 kDa.

Description

The CCL5 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. [RefSeq]

Application Notes

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

Immunogen

A synthetic peptide specific to human RANTES / CCL5 was used as the immunogen for the RANTES antibody.

Storage

Store the RANTES antibody at -20oC.