

# Anti-CCL5 / RANTES Reference Antibody (VLST-002)

Recombinant Antibody

Catalog # APR10288

## Product Information

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Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">P13501</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	9990

## Additional Information

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Target/Specificity	CCL5 / RANTES
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

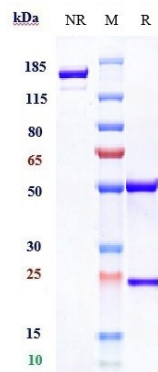
## Protein Information

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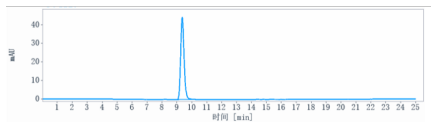
Name	CCL5
Synonyms	D17S136E, SCYA5
Function	<p>Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chemokine receptors including CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant RANTES protein induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form RANTES(3-68) acts as a natural chemotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chemotactic and HIV-suppressive activity compared with RANTES(1-68) and RANTES(3-68) (PubMed:<a href="#">1380064</a>, PubMed:<a href="#">15923218</a>, PubMed:<a href="#">16791620</a>, PubMed:<a href="#">8525373</a>, PubMed:<a href="#">9516414</a>). May also be an agonist of the G protein-coupled receptor GPR75, stimulating inositol trisphosphate production and calcium mobilization through its activation. Together with GPR75, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. By activating GPR75 may also play a role in insulin secretion by islet cells (PubMed:<a href="#">23979485</a>).</p>

Cellular Location	Secreted.
Tissue Location	Expressed in the follicular fluid (at protein level). T-cell and macrophage specific.

## Images



Anti-CCL5 / RANTES Reference Antibody (VLST-002) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-CCL5 / RANTES Reference Antibody (VLST-002)is more than 95% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.