

#### Anti-CCL5 / RANTES Reference Antibody (VLST-002) Recombinant Antibody Catalog # APR10288

### **Specification**

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

Application Primary Accession Reactivity Clonality Isotype Calculated MW FC, Kinetics, Animal Model <u>P13501</u> Human, Mouse Monoclonal IgG1 150 KDa

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

Target/Specificity CCL5 / RANTES

**Endotoxin** < 0.001EU/ μg,determined by LAL method.

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.

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

Name CCL5

Synonyms D17S136E, SCYA5

Function

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="http://www.uniprot.org/citations/1380064" target="\_blank">1380064</a>, PubMed:<a href="http://www.uniprot.org/citations/15923218" target="\_blank">15923218</a>, PubMed:<a



href="http://www.uniprot.org/citations/16791620" target="\_blank">16791620</a>, PubMed:<a href="http://www.uniprot.org/citations/8525373" target="\_blank">8525373</a>, PubMed:<a href="http://www.uniprot.org/citations/9516414" target="\_blank">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="http://www.uniprot.org/citations/23979485" target=" blank">23979485</a>).

**Cellular Location** Secreted.

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

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

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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