

# RANTES Antibody

**ALTERNATE NAMES:** C-C motif chemokine 5, EoCP, Eosinophil chemotactic cytokine, SIS-delta, Small-inducible cytokine A5, T cell-specific protein P228, TCP228

**CATALOG NO. :** A1002-100

**AMOUNT:** 100 µg (0.5 mg/ml)

**HOST:** Rabbit

**IMMUNOGEN:** human RANTES recombinant protein (Cat. No. 4321)

**INTERNAL ID:** BV-Q1

**PURIFICATION:** Affinity purified rabbit IgG

**MOLECULAR WEIGHT:** 10 kDa

**FORM:** Liquid

**FORMULATION:** Supplied in PBS (pH 7.2) with 0.01 % BSA, 0.03 % ProClin®, and 50 % glycerol

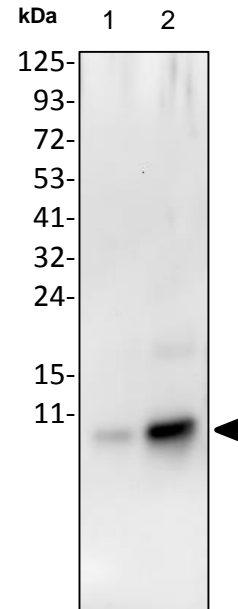
**SPECIES REACTIVITY:** Human, Mouse

**STORAGE CONDITIONS:** Store at -20°C. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:** 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) and is generated by an unidentified enzyme associated with monocytes and neutrophils. 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.

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.

**APPLICATION:** Western blot: 1-4 µg/ml



Western Blot analysis of anti-RANTES with 10 ng human RANTES (1), 50 ng human RANTES (2) recombinant proteins. RANTES (arrow) was detected using the purified antibody.

**RELATED PRODUCTS:**

- RANTES, human recombinant (Cat. No. 4321-20, -100, -1000)
- RANTES, murine recombinant (Cat. No. 4322-20, -1000)
- RANTES, rat recombinant (Cat. No. 4323-20, -100, -1000)
- RANTES Antibody (Cat. No 5323-100)
- RANTES Antibody (Cat. No 5321-100)
- RANTES (Mouse) ELISA Kit (Cat. No K4771-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**

