

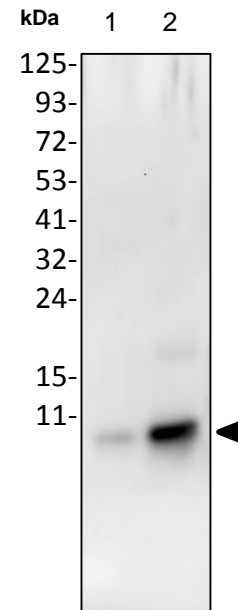
RANTES Antibody

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.