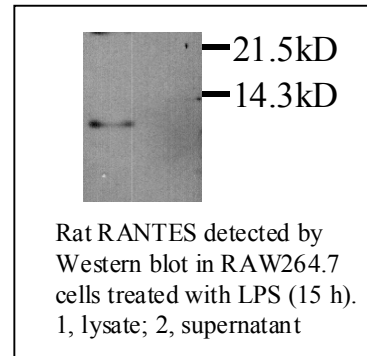


## Purified Rabbit Anti-rat RANTES

**Catalog Number:** TP211

**Lot Number:** 071618

**Content:** Protein A purified rabbit IgG, 500 µg, with 0.1% sodium azide, lyophilized.



(Reconstitute to 1 mg/ml by adding 500 µl PBS)

**Product Description and Usage:** For research use only. This polyclonal antibody, which reacts with both mouse and rat RANTES, was generated using *E. coli*-expressed amino acid 1-70 of mature rat RANTES as an immunogen. The tested titer for Western blot is 1:2,000.

Cross-reactivity to RANTES of other species has not been determined.

**Storage Condition:** 4 C for short term storage or -20 C in small aliquots for long term storage. Avoid repeated freeze and thaw.

**Background:** RANTES (regulated upon activation, normal T-cell expressed and secreted) is a 70-amino acid CC chemokine originally cloned from T cell-specific sequences-enriched cDNA libraries<sup>1,2,3</sup>. Both human and murine RANTES are chemotactic for monocytes. Human RANTES is also a chemoattractant for T cells and eosinophils, as well as an activator of basophils for histamine release<sup>4</sup>. In

contrast to other CC chemokines, RANTES is only slowly expressed after activation of leukocytes. It is involved in a number of pathological conditions like chronic inflammation and autoimmune diseases<sup>2</sup>.

### References:

- Schall, T.J. (1988) A human T cell-specific molecule is a member of a new gene family. *J Immunol.* 141:1018-1025
- Schall, T. et al. (1992) Molecular cloning and expression of the murine RANTES cytokine: structural and functional conservation between mouse and man. *Eur J Immunol* 22:1477
- Neilson, E.G., et al. (1992) Isolation and characterization of cDNA from renal tubular epithelium encoding murine Rantes: A small intercrine from the Scy superfamily. *Kidney Int.* 41:220-225
- Haelens, A. et al. (1996) Leukocyte migration and activation by murine chemokines. *Immunobiol* 195:499-521