

RANTES Polyclonal Antibody

CATALOG #: 5323-100

LOT #: _____

HOST: Rabbit

IMMUNOGEN: *E. coli*-expressed mature rat RANTES (a.a. 1-70)

SPECIES REACTIVITY: Mouse, rat

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-RANTES polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

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. 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. 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.

APPLICATION AND SPECIFICITY:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. RAW264.7 cells treated with LPS (15 hr) can be used as a positive control.

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