RANTES Antibody (Rodent Specific)

**For Research Use Only. Not For Use In Diagnostic Procedures.**

**Applications**

- W, IP
- Transfected

**Species Cross-Reactivity**

- M, (R)

**Molecular Wt.**

10 kDa

**Source**

- Rabbit

- **Recommended Antibody Dilutions:**

  - Western blotting: 1:1000
  - Immunoprecipitation: 1:25

  For application specific protocols please see the web page for this product at www.cellsignal.com.

  Please visit www.cellsignal.com for a complete listing of recommended companion products.

**Storage:** Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C.

Do not aliquot the antibody.

**Species cross-reactivity is determined by western blot.**

**Anti-rabbit secondary antibodies must be used to detect this antibody.**

**Background:** RANTES/CCL5 (regulated upon activation, T cell expressed and secreted) is a member of the “C-C” or β family of chemokines that induce inflammation and are associated with a number of inflammatory disorders (1,2). RANTES is produced and secreted mainly by CD8+ T cells, macrophages, and platelets, as well as epithelial cells, fibroblasts and some solid tumors (2-7). RANTES acts as a chemoattractant and has other regulatory functions on a number of cell types including monocytes, memory T cells, NK cells, eosinophils, basophils, dendritic cells, and mast cells (3, 7-9). Signaling by RANTES is mediated by several G-protein coupled receptors (GPCRs), including CCR1, CCR3, CCR4 and CCR5.

**Specificity/Sensitivity:** RANTES Antibody (Rodent Specific) detects transfected levels of rodent RANTES.

**Source/Purification:** Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the carboxyl terminus of rodent RANTES.

**Background References:**