CCL5/RANTES Antibody

For Research Use Only. Not for Use in Diagnostic Procedures.

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<td>WB, IP</td>
<td>M</td>
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<td>10</td>
<td>Rabbit</td>
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Product Usage Information

Application
- Western Blotting
- Immunoprecipitation

Dilution
- Western Blotting: 1:1000
- Immunoprecipitation: 1:25

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.

Specificity / Sensitivity
CCL5/RANTES Antibody detects transfected levels of CCL5/RANTES.

Species predicted to react based on 100% sequence homology:
- Rat

Source / Purification
Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the carboxyl terminus of rodent CCL5/RANTES.

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.

Background References

Species Reactivity
Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer
IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key
- WB: Western Blotting
- IP: Immunoprecipitation

Cross-Reactivity Key
- H: human
- M: mouse
- R: rat
- Hm: hamster
- Mk: monkey
- Vir: virus
- Mi: mink
- C: chicken
- Dm: D. melanogaster
- X: Xenopus
- Z: zebrafish
- B: bovine
- Dg: dog
- Pg: pig
- Sc: S. cerevisiae
- Ce: C. elegans
- Hr: horse
- GP: Guinea Pig
- Rab: rabbit
- All: all species expected

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