

## Product datasheet for **PP1064P2**

### **RANTES (CCL5) Rabbit Polyclonal Antibody**

#### **Product data:**

**Product Type:** Primary Antibodies

**Applications:** ELISA, FN, IHC, WB

**Recommended Dilution:** **Neutralization:** To yield one-half maximal inhibition [ND50] of the biological activity of hRANTES (100 ng/ml), a concentration of 5.0-7.0 µg/ml of this antibody is required.  
**Direct ELISA:** To detect hRANTES by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant hRANTES.  
**Sandwich ELISA:** To detect Human RANTES by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotin conjugated antibody (Cat.-No PP1064B1 or PP1064B2) allows the detection of 0.2-0.4 ng/well of recombinant hRANTES.  
**Western Blot:** To detect Human RANTES by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hRANTES is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.  
**Immunohistochemistry on Paraffin Sections:** 2.0 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with an AEC chromogen. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended. This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma.

**Reactivity:** Human

**Host:** Rabbit

**Clonality:** Polyclonal

**Immunogen:** Highly pure (>98%) E.coli derived recombinant Human RANTES.

**Specificity:** Recognizes Human RANTES (CCL5). Other species not tested.

**Formulation:** PBS, pH 7.2 without preservatives

State: Aff - Purified

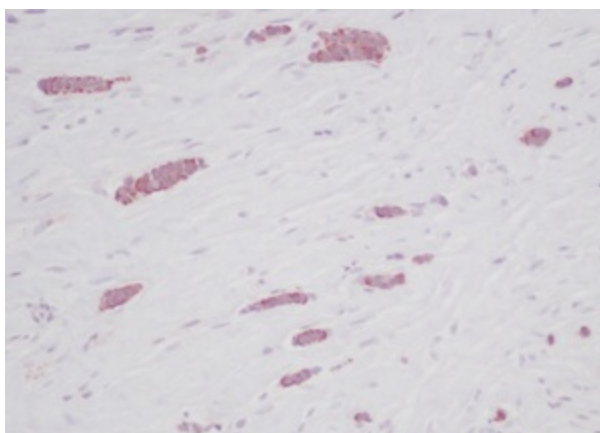
State: Lyophilized (sterile filtered) purified Ig fraction

**Reconstitution Method:** Restore in sterile water to a concentration of 0.1-1.0 mg/ml.



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|                       |   |
|-----------------------|---|
| <b>Purification:</b>  | Affinity Chromatography employing immobilized hRANTES matrix  |
| <b>Conjugation:</b>   | Unconjugated  |
| <b>Storage:</b>       | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.<br>Avoid repeated freezing and thawing. |
| <b>Stability:</b>     | Shelf life: one year from despatch.   |
| <b>Gene Name:</b>     | C-C motif chemokine ligand 5  |
| <b>Database Link:</b> | <a href="#">Entrez Gene 6352 Human P13501</a>   |
| <b>Synonyms:</b>      | C-C motif chemokine 5, D17S136E, SCYA5, Small-inducible cytokine A5, SIS-delta, EoCP  |
| <b>Note:</b>          | Centrifuge vial prior to opening!   |

**Product images:**

Immunohistochemistry- The RANTES antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentration is 2.0 ug/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with an AEC chromogen. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended. Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.

