

**bs-1324R****[ Primary Antibody ]****RANTES Rabbit pAb****BioSS**  
**ANTIBODIES**

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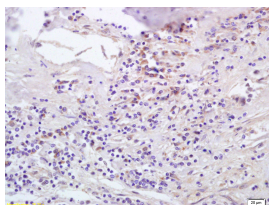
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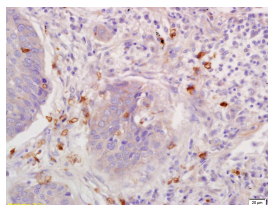
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 6352 <b>Target:</b> RANTES <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CCL5: 62-91/91. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> This gene is one of several CC cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor CCR5 and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor.	<b>Isotype:</b> IgG <b>SWISS:</b> P13501	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Human, Mouse, Pig (predicted: Rat, Rabbit, Sheep, Cow, Dog) <b>Predicted MW.:</b> 7.4/10 kDa <b>Subcellular Location:</b> Secreted
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**— VALIDATION IMAGES —**

Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-CCL5/RANTES Polyclonal Antibody, Unconjugated(bs-1324R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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**— SELECTED CITATIONS —**

- **[IF=9.038]** Bing Han. et al. Pulmonary inflammatory and fibrogenic response induced by graphitized multi-walled carbon nanotube involved in cGAS-STING signaling pathway. J Hazard Mater. 2021 May;;125984 WB ;Mouse. 34020360
- **[IF=5.38]** Pattappa, G., et al. "CCL5/RANTES is a key chemoattractant released by degenerative intervertebral discs in organ culture." European Cells & Materials 27 (2014): 124. IHC ;="Bovine". 24500793

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=5.037]** Yi Wu. et al. Targeting cIAPs attenuates CCl4-induced liver fibrosis by increasing MMP9 expression derived from neutrophils. Life Sci. 2022 Jan;289:120235 IHC ;Mouse. 34914932
- **[IF=4.3]** Hwaiz, Rundk, et al. "Rac1-dependent secretion of platelet-derived CCL5 regulates neutrophil recruitment via activation of alveolar macrophages in septic lung injury." Journal of Leukocyte Biology (2015): jlb-4A1214. Other ;="Mouse". 25717148
- **[IF=3.8]** Chi Guanghao. et al. High mobility group box-1 protein promotes astrocytic CCL5 production through the MAPK/NF-κB pathway following spinal cord injury. SCI REP-UK. 2024 Sep;14(1):1-18 IF ;Rat. 39333662