
RANTES Rabbit pAb

Catalog Number: bs-1324R

Target Protein: RANTES

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Pig (predicted:Rat, Rabbit, Sheep, Cow, Dog)

Predicted MW: 7.4/10 kDa

Subcellular Secreted

Locations:

Entrez Gene: 6352

Swiss Prot: P13501

Source: KLH conjugated synthetic peptide derived from human CCL5: 62-91/91.

Purification: affinity purified by Protein A

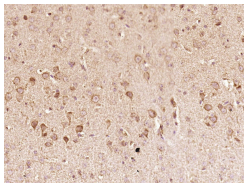
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

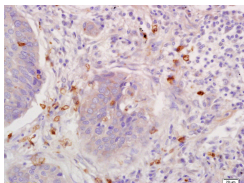
Background: This gene is one of several CC cytokine genes clustered on the q-arm of chromosome 17.

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.

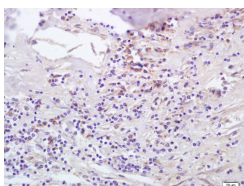
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RANTES) Polyclonal Antibody, Unconjugated (bs-1324R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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



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

PRODUCT SPECIFIC PUBLICATIONS

[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

[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