

Rabbit anti-Human CCL5 Polyclonal Antibody | anti-CCL5 antibody

CCL5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327126	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

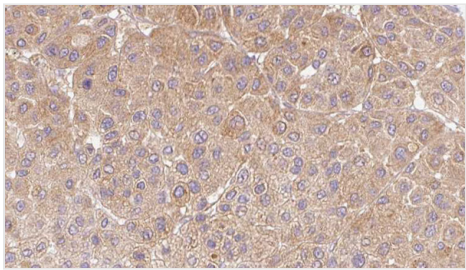
PRODUCT SYNONYMS

CCL5; Polyclonal Antibody; CCL5 Antibody; Beta chemokine RANTES; Beta chemokine RANTES precursor; C C motif chemokine 5; CCL 5; CCL5_HUMAN; Chemokine (C C motif) ligand 5; Chemokine CC Motif Ligand 5; D17S136E; EoCP; Eosinophil chemotactic cytokine; MGC17164; RANTES(4-68); Regulated upon activation normally T expressed and presumably secreted; SCYA 5; SCYA5; SIS delta; SIS-delta; SISd; Small inducible cytokine A5 (RANTES); Small inducible cytokine A5; Small inducible cytokine subfamily A (Cys Cys) member 5; Small-inducible cytokine A5; T cell specific protein p288; T cell specific RANTES protein; T cell-specific protein P228; T-cell-specific protein RANTES; TCP 228; TCP228; anti-CCL5 antibody

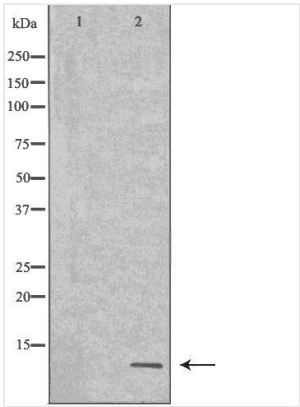
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CCL5 antibody detects endogenous levels of total CCL5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	91
Applicable Applications for anti-CCL5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CCL5
Subcellular Location	Secreted.
Tissue Specificity	Expressed in the follicular fluid (at protein level). T-cell and macrophage specific.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA327126 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Jurkat whole cell lysates, using CCL5 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CCL5 antibody

Description: This gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, 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 chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms.

Function: Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chemokine receptors including CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant RANTES protein induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form RANTES(3-68) acts as a natural chemotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chemotactic and HIV-suppressive activity compared with RANTES(1-68) and RANTES(3-68) and is generated by an unidentified enzyme associated with monocytes and neutrophils (PubMed:16791620, PubMed:1380064, PubMed:8525373, PubMed:9516414, PubMed:15923218). May also be an agonist of the G protein-coupled receptor GPR75, stimulating inositol trisphosphate production and calcium mobilization through its activation. Together with GPR75, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. By activating GPR75 may also play a role in insulin secretion by islet cells (PubMed:23979485).

Post-translational Modifications: N-terminal processed form RANTES(3-68) is produced by proteolytic cleavage, probably by DPP4, after secretion from peripheral blood leukocytes and cultured sarcoma cells. The identity of the O-linked saccharides at Ser-27 and Ser-28 are not reported in PubMed:1380064. They are assigned by similarity.

Similarity: Belongs to the intercrine beta (chemokine CC) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22538814
NCBI GeneID	6352
NCBI Accession #	NP_002976.2
NCBI GenBank Nucleotide #	NM_002985.2
UniProt Accession #	P13501; O43646; Q0QVW8; Q4ZGJ1; Q9NYA2; Q9UBG2; Q9UC99
Molecular Weight	Observed: 9 kDa Predicted: 10 kDa
NCBI Official Full Name	C-C motif chemokine 5 isoform 1

NCBI Official Synonym Full Names	C-C motif chemokine ligand 5
NCBI Official Symbol	CCL5
NCBI Official Synonym Symbols	SISd; eoCP; SCYA5; RANTES; TCP228; D17S136E; SIS-delta
NCBI Protein Information	C-C motif chemokine 5
UniProt Protein Name	C-C motif chemokine 5
UniProt Gene Name	CCL5
UniProt Synonym Gene Names	D17S136E; SCYA5; TCP228

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ccl5-antibody-immunohistochemistry-western-blot-elisa/327126>