

Rabbit CCL4 Polyclonal Antibody | anti-CCL4 antibody

CCL4 Antibody

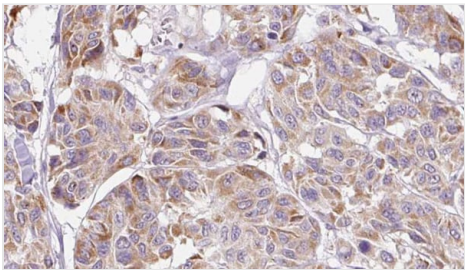
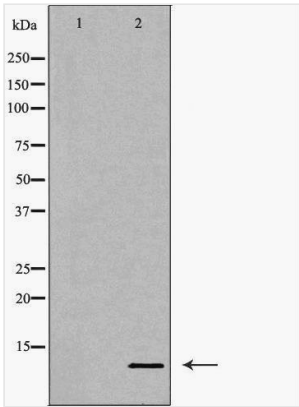
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326311	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CCL4; Polyclonal Antibody; CCL4 Antibody; MIP 1 beta; Secreted protein G 26; ACT 2; ACT-2; ACT2; AT744.1; AT744.2; C C motif chemokine 4; C C motif chemokine 4 like; C C motif chemokine ligand 4 like 1; C C motif chemokine ligand 4 like 2; CC chemokine ligand 4; CC chemokine ligand 4L1; CC chemokine ligand 4L1d2; CC chemokine ligand 4L2; CCL4_HUMAN; ccl4l 1; CCL4L; CCL4L1; Chemokine (C C motif) ligand 4; Chemokine (C C motif) ligand 4 like 1; telomeric; Chemokine (C C motif) ligand 4 like 2; Chemokine CC Motif Ligand 4; G 26; G 26 T lymphocyte secreted protein; G-26 T-lymphocyte-secreted protein; HC21; Immune activation 2; LAG 1; LAG-1; LAG1; Lymphocyte activation gene 1; Lymphocyte activation gene 1 protein; Macrophage inflammatory protein 1 beta; Macrophage inflammatory protein 1-beta; Macrophage inflammatory protein 1b2; MGC104418; MGC126025; MGC126026; MIP-1-beta; MIP-1-beta(1-69); MIP-1-beta(3-69); MIP1 beta; MIP1B; MIP1B1; Monocyte adherence induced protein 5 alpha; PAT 744; Protein H400; SCYA2; SCYA4; SCYA4L; SCYA4L1; SCYA4L2; SCYQ4L2; Secreted protein G26; SIS gamma; SIS-gamma; Small inducible cytokine A4 (homologous to mouse Mip 1b); Small inducible cytokine A4; small inducible cytokine A4-like; Small-inducible cytokine A4; T cell activation protein 2; T-cell activation protein 2; anti-CCL4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CCL4 antibody detects endogenous levels of total CCL4
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	92
Applicable Applications for anti-CCL4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human CCL4
Subcellular Location	Secreted.
Tissue Specificity	By mitogens.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (100%), Bovine (91%), Horse (100%), Rabbit (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326311 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 extracts of SGC7901, using CCL4 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CCL4 antibody	Description: Chemokines are members of a superfamily of small inducible, secreted, pro-inflammatory cytokines. Members of the chemokine family exhibit 20 to 50% homology in their predicted amino acid sequences and are divided into four subfamilies. In C-C (or b) subfamily, the first two cysteines are adjacent. C-C chemokines are chemoattractants and activators for monocytes and T cells. C-C subfamily members include macrophage inflammatory protein (MIP)-1, MIP-1, MIP-2, MIP-3, MIP-3, MIP-4, HCC-1, MIP-5 (or HCC-2), RANTES, MCP-1/2/3 (and the murine homologs JE and MARC), I-309, murine C10 and TCA3. Research has shown that MIP-1^α is more selective than MIP-1, primarily attracting CD4⁺ T lymphocytes, with a preference for T cells of the naive phenotype. MIP-1 is a more potent lymphocyte chemoattractant than MIP-1^α and exhibits a broader range of chemoattractant specificities. It has been suggested that CD8⁺ T lymphocytes are involved in the control of HIV infection in vivo by the release of HIV-suppressive factors (HIV-SF). MIP-1 has been identified as one of the major HIV-SFs produced by CD8⁺ T cells, along with MIP-1 and RANTES. Recombinant human MIP-1 acts as an inhibitor of different strains of HIV-1, HIV-2 and SIV infection in a dose-dependent manner. Function: Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8⁺ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B. Subunit Structure: Homodimer and heterodimer of MIP-1-alpha(4-69) and MIP-1-beta(3-69). Post-translational Modifications: N-terminal processed form MIP-1-beta(3-69) is produced by proteolytic cleavage after secretion from peripheral blood lymphocytes. Similarity: Belongs to the intercrine beta (chemokine CC) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506845
NCBI GeneID	6351
NCBI Accession #	NP_002975.1
NCBI GenBank Nucleotide #	NM_002984.3
UniProt Accession #	P13236; P22617; Q13704; Q3SXL8; Q6FGI8
Molecular Weight	Observed: 10 kDa Predicted: 11 kDa
NCBI Official Full Name	C-C motif chemokine 4
NCBI Official Synonym Full Names	C-C motif chemokine ligand 4
NCBI Official Symbol	CCL4

NCBI Official Synonym Symbols	ACT2; G-26; HC21; LAG1; LAG-1; MIP1B; SCYA2; SCYA4; MIP1B1; AT744.1; MIP-1-beta
NCBI Protein Information	C-C motif chemokine 4
UniProt Protein Name	C-C motif chemokine 4
UniProt Gene Name	CCL4
UniProt Synonym Gene Names	LAG1; MIP1B; SCYA4; LAG-1; MIP-1-beta; ACT-2

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://stage.aaabiotech.com/polyclonal/ccl4-antibody-immunohistochemistry-western-blot-elisa/326311>