

Datasheet for ABIN116165
anti-CCL4 antibody (Biotin)



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Overview

Quantity:	25 µg
Target:	CCL4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL4 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (>98%) recombinant hMIP-1 beta (human MIP-1 beta).
Specificity:	Human Macrophage Inflammatory Protein-1 beta (hMIP-1b).
Purification:	Affinity chromatography.

Target Details

Target:	CCL4
Alternative Name:	MIP1 beta / CCL4 (CCL4 Products)
Background:	MIP1 alpha and MIP1 beta were originally co-purified from medium conditioned by an LPS-stimulated murine macrophage cell line. Human MIP1 beta refers to the products of several independently cloned cDNAs, including Act2, PAT 744, hH400, G26, HIMAP, HC21, and MAD 5a. The predicted protein products of these cDNAs represent variants that are between 94 % - 98 % identical and these proteins are all approximately 75 % homologous to murine MIP1 beta. MIP1

Target Details

beta also shares approximately 70 % amino acid identity with MIP1 alpha. MIP1 proteins are expressed primarily in T cells, B cells, and monocytes after antigen or mitogen stimulation. The MIP1 proteins have chemoattractant and adhesive effects on lymphocytes, with MIP1 alpha and MIP1 beta preferentially attracting CD8+ and CD4+ T cells, respectively. A signal transducing receptor designated the CC chemokine receptor 1 (CC CKR1) with seven transmembrane domains that binds MIP1 alpha, MIP1 beta, MCP1 and RANTES with varying affinities has been isolated. Synonyms: CCL-4, G-26 T-lymphocyte-secreted protein, HC21, LAG1, Lymphocyte activation gene 1 protein, MIP-1-beta, MIP1B, Macrophage inflammatory protein 1-beta, PAT744, Protein H400, SCYA4, SIS-gamma, Small-inducible cytokine A4, T-cell activation protein 2

Gene ID: 388372

NCBI Accession: [NP_001001435](#)

UniProt: [P13236](#)

Application Details

Application Notes:

ELISA: To detect hMIP-1 beta by direct ELISA (using 100 l/well antibody solution) this antibody can be used at a concentration of 0.15 - 0.30 µg/mL. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 ng/well of recombinant hMIP-1 beta.

Western Blot: To detect hMIP-1 beta 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 hMIP-1 beta is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Other applications not tested.

Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS, pH 7.2 without preservatives.

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing. Centrifuge vial prior to opening!

Storage: 4 °C/-20 °C

Handling

Storage Comment:	Store the antibody prior to reconstitution at -20 °C for one year. Following reconstitution the antibody can be stored at 2-8 °C for 2 weeks.
Expiry Date:	12 months

Publications

Product cited in:	Schlaepfer, Audigé, Joller, Speck: "TLR7/8 triggering exerts opposing effects in acute versus latent HIV infection." in: Journal of immunology (Baltimore, Md. : 1950) , Vol. 176, Issue 5, pp. 2888-95, (2006) (PubMed).
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