

Datasheet for ABIN1043803
anti-CCL4 antibody (HRP)



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1 Publication

Overview

Quantity:	100 µg
Target:	CCL4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL4 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	MIP-1 beta Antibody Peroxidase Conjugated
Immunogen:	Immunogen: MIP-1 beta Antibody Peroxidase Conjugated was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human MIP-1β protein. Immunogen Type: Recombinant Protein
Isotype:	IgG
Characteristics:	Synonyms: rabbit anti-MIP-1 beta Antibody Peroxidase Conjugated, rabbit anti-MIP-1b Antibody HRP Conjugated, CCL4, C-C motif chemokine 4, Small-inducible cytokine A4, Macrophage inflammatory protein 1-beta, MIP-1-beta, ACT-2, T-cell activation protein 2, Protein H400, Lymphocyte activation gene 1 protein, LAG-1, HC21, G-26 T-lymphocyte-secreted protein, MIP-1β
Purification:	Human MIP-1 beta Antibody Peroxidase Conjugated is an IgG fraction antibody purified from

Product Details

monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This purified antibody has been heated to 56 °C for 30 minutes.

Target Details

Target:	CCL4
Alternative Name:	CCL4 (CCL4 Products)
Background:	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 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. MIP-1 beta Antibody Peroxidase Conjugated is useful for researchers interested in Immunology Research.
Gene ID:	6351
NCBI Accession:	NP_002975
UniProt:	P13236

Application Details

Application Notes:	Application Note: This protein-A purified antibody has been tested in western blotting and suitable for ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 15 kDa in size corresponding to human MIP-1β protein by western blotting in the appropriate cell lysate or extract. Immunology Research Western Blot Dilution: 1:500 ELISA Dilution: 1:10,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store MIP-1 beta Antibody Peroxidase Conjugated at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Publications

Product cited in:	Guan, Wang, Roderiquez, Norcross: "Natural truncation of the chemokine MIP-1 beta /CCL4 affects receptor specificity but not anti-HIV-1 activity." in: The Journal of biological chemistry , Vol. 277, Issue 35, pp. 32348-52, (2002) (PubMed).
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