

Datasheet for ABIN3043477  
**anti-CCL4 antibody (AA 24-92)**



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1 Image

## Overview

Quantity:	100 µg
Target:	CCL4
Binding Specificity:	AA 24-92
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	Anti-Macrophage Inflammatory Protein 1 beta/CCL4 Antibody Picoband®
Immunogen:	E. coli-derived human CCL4 recombinant protein (Position: A24-N92). Human CCL4 shares 76.8% and 79.7% amino acid (aa) sequence identity with mouse and rat CCL4, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Macrophage Inflammatory Protein 1 beta/CCL4 Antibody Picoband® (ABIN3043477). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

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Target:	CCL4
Alternative Name:	CCL4 ( <a href="#">CCL4 Products</a> )
Background:	<p>Synonyms: C-C motif chemokine 4,G-26 T-lymphocyte-secreted protein,HC21,Lymphocyte activation gene 1 protein,LAG-1,MIP-1-beta (1-69),Macrophage inflammatory protein 1-beta,MIP-1-beta,PAT 744,Protein H400,SIS-gamma,Small-inducible cytokine A4,T-cell activation protein 2,ACT-2,MIP-1-beta (3-69),CCL4,LAG1, MIP1B, SCYA4,</p> <p>Tissue Specificity: Synthesized in liver and selectively concentrated in bone matrix. Secreted in plasma. It is also found in dentin in much higher quantities than other plasma proteins.</p> <p>Background: Chemokine (C-C motif) ligand 4, also known as CCL4, is a protein which in human is encoded by the CCL4 gene. By analysis of somatic cell hybrids and by in situ hybridization, the CCL4 gene was assigned to 17q21-q23. It is a CC chemokine with specificity for CCR5 receptors. And it is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. CCL4 is a major HIV-suppressive factor produced by CD8+ T cells. Performing-low memory CD8+ T cells that normally synthesize CCL4. Based on functional analysis of CCL4, one or more additional beta chemokine receptors that transduce CCL4 signals must also exist. MIP-1alpha and CCL4 have been shown to lack affinity for the erythrocyte surface chemokine receptor/Duffy antigen that binds many alpha as well as beta chemokines (11, 14).</p> <p>Sequence Similarities: Belongs to the intercrine beta (chemokine CC) family.</p>
Molecular Weight:	11 kDa
Gene ID:	6351
UniProt:	<a href="#">P13236</a>

## Application Details

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Application Notes:	<p>ELISA, 0.1-0.5 µg/mL, -</p> <p>Western blot, 0.1-0.5 µg/mL, Human</p> <p>1. Bystry RS, Aluvihare V, Welch KA, Kallikourdis M, Betz AG (December 2001). "B cells and professional APCs recruit regulatory T cells via CCL4". Nat. Immunol. 2 (12): 1126-32. 2. Cocchi F, DeVico AL, Garzino-Demo A, Arya SK, Gallo RC, Lusso P (December 1995). Science (journal) 270 (5243): 1811-5. 3. Irving SG, Zipfel PF, Balke J, McBride OW, Morton CC, Burd PR, Siebenlist U, Kelly K (June 1990). Nucleic Acids Res. 18 (11): 3261-70. 4. Kamin-Lewis R, Abdelwahab SF, Trang C, Baker A, DeVico AL, Gallo RC, Lewis GK (July 2001).</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

## Images

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### Western Blotting

**Image 1.** Observed bind size: 11KD