

Datasheet for ABIN964800  
**anti-CCL4 antibody**



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1 Image

## Overview

Quantity:	100 µg
Target:	CCL4
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	MIP-1 beta Antibody
Immunogen:	<p>Immunogen: This protein-A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with recombinant protein raised in yeast, corresponding to the 69 amino acids of the mature swine CCL4/MIP1β protein.</p> <p>Immunogen Type: Recombinant Protein</p>
Isotype:	IgG
Cross-Reactivity (Details):	This antibody is specific for swine CCL4 protein.
Characteristics:	<p>Synonyms: rabbit anti-MIP 1 beta Antibody, rabbit anti-MIP-1b Antibody, rabbit anti-CCL4 antibody, CCL4, C-C motif chemokine 4, Small-inducible cytokine A4, Macrophage inflammatory protein 1-beta, MIP-1-beta, ACT-2, MIP-1β</p>
Purification:	This product was Protein-A purified from monospecific antiserum by chromatography.
Sterility:	Sterile filtered

## Target Details

Target:	CCL4
Alternative Name:	CCL4 ( <a href="#">CCL4 Products</a> )
Background:	<p>Background: In many species, both C-C chemokines macrophage inflammatory protein, or MIP-1 alpha (CCL3L1), and MIP-1 beta (CCL4) are structurally and functionally related CC chemokines. They are both potent chemoattractants for monocytes, which form an important component of the stroma of tumor tissue, and in humans may regulate tumor growth and associated inflammation. They participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells e.g. macrophages, lymphocytes and NK cells. Both MIP-1 alpha and MIP-1 beta exert similar effects on monocytes, but their effect on lymphocytes differ. MIP-1 alpha selectively attracts CD8+ lymphocytes, while MIP-1 beta selectively attracts CD4+ lymphocytes. They contain the four highly conserved cysteine residues present in CC chemokines. MIP-1 beta (CCL4) has specificity for CCR5 receptors. In humans, it is also a major HIV-suppressive factor produced by CD8+ T cells.</p>
Gene ID:	396668
UniProt:	<a href="#">Q711P4</a>

## Application Details

Application Notes:	<p>Application Note: This protein-A purified MIP-1<math>\beta</math> antibody has been tested by western blot and is suitable for ELISA. Specific conditions for reactivity should be optimized by the end user.</p> <p>Expect a band approximately 7.8 kDa in size corresponding to swine CCL4 protein by western blotting in the appropriate cell lysate or extract.</p> <p>Western Blot Dilution: 1:500</p> <p>ELISA Dilution: &gt;1:5,000</p> <p>Other: User Optimized</p>
Restrictions:	For Research Use only

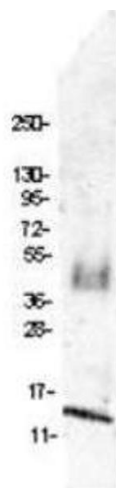
## Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
	Stabilizer: None

## Handling

	Preservative: 0.01 % (w/v) 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.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C upon receipt. 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

## Images



### Western Blotting

**Image 1.** Western blot using protein-A purified Anti-MIP-1 $\beta$  (CCL4) antibody shows detection of recombinant swine MIP-1 $\beta$  (CCL4) raised in yeast. The protein was purified and resolved by SDS-PAGE, then transferred to PVDF membrane. Membrane was blocked with 3% BSA (BSA-30, diluted 1:10), and probed with 4  $\mu$ g/mL primary antibody overnight at 4°C. After washing, membrane was probed with Conjugated Goat Anti-Rabbit IgG at 1:20,000 for 45 min at room temperature.