



Datasheet for ABIN964604 anti-CCL3L1 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	CCL3L1
Reactivity:	Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	<p>This protein-A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein raised in yeast, corresponding to the 70 amino acids of the mature swine CCL3L1 protein.</p> <p>Immunogen Type: RecombinantProtein</p>
Isotype:	IgG
Specificity:	<p>This product was Protein-A purified from monospecific antiserum by chromatography. This antibody is specific for swine CCL3L1 protein. A BLAST analysis was used to suggest cross-reactivity with CCL3L1 from bovine sources based on 100% homology with the immunizing sequence. Partial reactivity is expected against CCL3L1 from cat, dog, human, chimpanzee, baboon, bovine, and rat based on greater than 90% sequence homology. Cross-reactivity with CCL3L1 from other sources has not been determined.</p>
Cross-Reactivity:	Cow (Bovine)
Characteristics:	Chemokine (C-C motif) ligand 3-like 1 (CCL3L1), also known as macrophage inflammatory protein 1 alpha (MIP-1 alpha, other synonyms: Id78beta, scya3l1, small inducible cytokine a3-

Product Details

like 1), is a member of the CC or beta chemokine subfamily that was originally purified from the conditioned media of an LPS-stimulated murine macrophage cell line. In humans, CCL3L1 is encoded by a variable copy-number gene. The CC family induces MCP1 and RANTES, and exhibits a variety of proinflammatory activities including chemotaxis, and functional and proliferative activation of leukocytes, lymphocytes, and macrophages. Its signal is transmitted through transmembrane receptors, CC chemokine receptors, CCR1, CCR3 and CCR5. CCL3L1/MIP-1 alpha acts as a chemoattractant to a variety of cells including monocytes, T cells, B cells and eosinophils. CCL3L1 binds to several chemokine receptors. In humans these receptors include chemokine binding protein 2 and chemokine (C-C motif) receptor 5 (CCR5). CCR5 is a co-receptor for HIV, and binding of this protein to CCR5 inhibits HIV entry. In swine, CCL3L1 protein is 86% similar to CCL4 protein, and 73% similar to CCL5.

Purification:	purified
Sterility:	Sterile filtered

Target Details

Target:	CCL3L1
Alternative Name:	CCL3L1 (CCL3L1 Products)
Background:	<p>Chemokine (C-C motif) ligand 3-like 1 (CCL3L1), also known as macrophage inflammatory protein 1 alpha (MIP-1 alpha; other synonyms: Id78beta, scya3l1, small inducible cytokine a3-like 1), is a member of the CC or beta chemokine subfamily that was originally purified from the conditioned media of an LPS-stimulated murine macrophage cell line. In humans, CCL3L1 is encoded by a variable copy-number gene. The CC family induces MCP1 and RANTES, and exhibits a variety of proinflammatory activities including chemotaxis, and functional and proliferative activation of leukocytes, lymphocytes, and macrophages. Its signal is transmitted through transmembrane receptors, CC chemokine receptors, CCR1, CCR3 and CCR5. CCL3L1/MIP-1 alpha acts as a chemoattractant to a variety of cells including monocytes, T cells, B cells and eosinophils. CCL3L1 binds to several chemokine receptors. In humans these receptors include chemokine binding protein 2 and chemokine (C-C motif) receptor 5 (CCR5). CCR5 is a co-receptor for HIV, and binding of this protein to CCR5 inhibits HIV entry. In swine, CCL3L1 protein is 86% similar to CCL4 protein, and 73% similar to CCL5.</p> <p>Synonyms: CCL3L1, Chemokine (C-C motif) ligand 3-like 1, macrophage inflammatory protein 1 alpha, MIP-1 alpha, Id78beta, scya3l1, small inducible cytokine a3-like 1</p>
Gene ID:	494459, 57527998

Target Details

UniProt: [A1YM34](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: This protein-A purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 7.8 kDa in size corresponding to swine CCL3L1 protein by western blotting in the appropriate cell lysate or extract.

Comment: Gene Name: CCL3L1

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 μ L

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

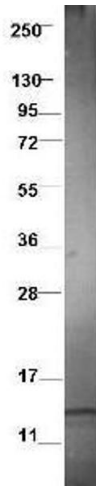
Preservative: Sodium azide

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 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. Expiration date is one (1) year from date of opening.

Expiry Date: 12 months



Western Blotting

Image 1. Western blot using protein-A purified anti-swine CCL3L1 antibody shows detection of recombinant swine CCL3L1 at 7.8kDa (arrow) raised in yeast. Protein was purified and resolved by SDS-PAGE, transferred to PVDF membrane. Membrane was blocked with 3% BSA (BSA-30, diluted 1:10), and probed with , Inc. Anti-swine CCL3L1. After washing, membrane was probed with 649 Conjugated Anti-Rabbit IgG (H&L) (Donkey) Antibody .