

Datasheet for 200-401-B61S**CCL3L1 Antibody****Overview**

Description:	Anti-Swine CCL3L1 (RABBIT) Antibody - 200-401-B61S
Item No.:	200-401-B61S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Bovine, Pig
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	rabbit anti-CCL3L1 Antibody, CCL3L3, Chemokine (C-C motif) ligand 3-like 1, macrophage inflammatory protein 1 alpha, MIP-1 alpha, Id78beta, scya3l1, small inducible cytokine a3-like 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CCL3L1
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Reactivity:	Bovine, Pig
Immunogen Type:	Recombinant Protein
Immunogen:	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.
Purity/Specificity:	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.
Relevant Links:	• NCBI - 57527998 • UniProtKB - A1YM34 • GeneID - 494459

Application Details

Tested Applications:	ELISA, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
WB:	4 µg/mL

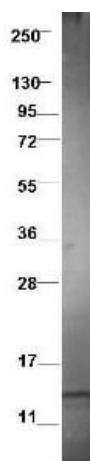
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is three (3) months from date of receipt.

Images



Western Blot

Western blot using Rockland's protein-A purified anti-swine CCL3L1 antibody shows detection of recombinant swine CCL3L1 at 7.8kDa 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 Rockland's, Inc. Anti-swine CCL3L1. After washing, membrane was probed with Dylight™ 649 Conjugated Anti-Rabbit IgG (H&L) (Donkey) Antibody (611-743-127).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.