10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-Swine CCL3L1 (RABBIT) Antibody

**CCL3L1 Antibody**
**Catalog # ASR4431**

## Specification

### Anti-Swine CCL3L1 (RABBIT) Antibody - Product Information

| | |
|---|---|
| Host | **Rabbit** |
| Conjugate | **Unconjugated** |
| Target Species | **Swine** |
| Reactivity | **Pig, Bovine** |
| Clonality | **Polyclonal** |
| Application | **WB, E, I, LCI** |
| 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.** |
| Physical State | **Lyophilized** |
| Buffer | **0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2** |
| 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.** |
| Reconstitution Volume | **100 µL** |
| Reconstitution Buffer | **Restore with deionized water (or equivalent)** |
| Preservative | **0.01% (w/v) Sodium Azide** |

### Anti-Swine CCL3L1 (RABBIT) Antibody - Additional Information

**Other Names**
494459

**Purity**
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.

**Storage Condition**
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.

**Precautions Note**
This product is for research use only and is not intended for therapeutic or diagnostic applications.

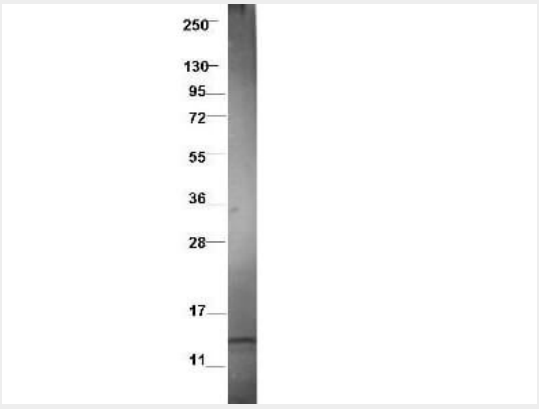
## Anti-Swine CCL3L1 (RABBIT) Antibody - Protein Information

## Anti-Swine CCL3L1 (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-Swine CCL3L1 (RABBIT) Antibody - Images




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).

## Anti-Swine CCL3L1 (RABBIT) Antibody - Background

Chemokine (C-C motif) ligand 3-like 1 (CCL3L1), also known as macrophage inflammatory protein 1 alpha (MIP-1 alpha; other synonyms: ld78beta, 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.