

Datasheet for 600-401-EN7**SLAMF9 Antibody****Overview**

Description:	Anti-SLAMF9 (RABBIT) Antibody - 600-401-EN7
Item No.:	600-401-EN7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The SLAM (signaling lymphocyte activation molecule) family is a novel group of receptors on T cells in modulating the immune response. SLAMF9, also known as CD2F-10 or CD84 homolog, is a 289 amino acid type I transmembrane protein that shares 58% identity with the mouse protein. The SLAMF9 protein is predominantly expressed in hematopoietic tissues and contains an extracellular region with only two N-linked glycosylation sites, a 20-residue transmembrane region and a highly positively charged 30-residue cytoplasmic tail, suggesting a role for SLAMF9 as an adhesion molecule. SLAMF9 is thought to function in the immune response as a coreceptor for lymphocyte activation.
Synonyms:	SLAMF9 Antibody, CD2F10, CD84H1, SF2001, CD2F-10, CD84-H1, CD2F10, UNQ1938/PRO4421, SLAM family member 9, CD2 family member 10
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLAMF9
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SLAMF9 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the C-terminus of human SLAMF9.

Purity/Specificity: Anti-SLAMF9 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SLAMF9 antibody is predicted to not cross-react with other SLAM protein family members.

Relevant Links:

- [UniProtKB - Q96A28](#)
- [GeneID - 89886](#)
- [NCBI - NP_001139645](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-SLAMF9 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 32 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000-1:20,000

IF: 20 µg/mL

IHC: 2.5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

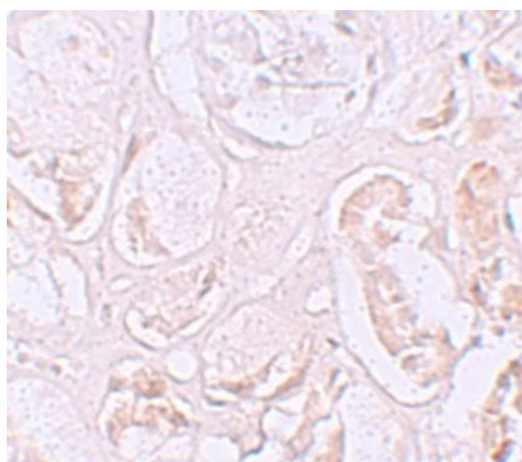
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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: Expiration date is one (1) year from date of receipt.

Images

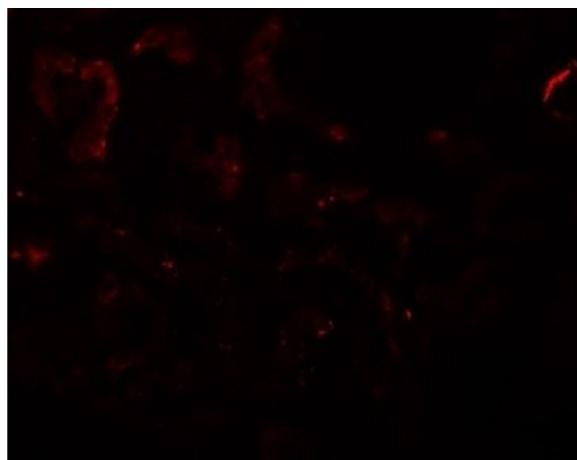


Immunohistochemistry

Immunohistochemistry of SLAMF9.

Tissue: human kidney tissue.

Primary Antibody: SLAMF9 antibody at 2.5 µg/mL.

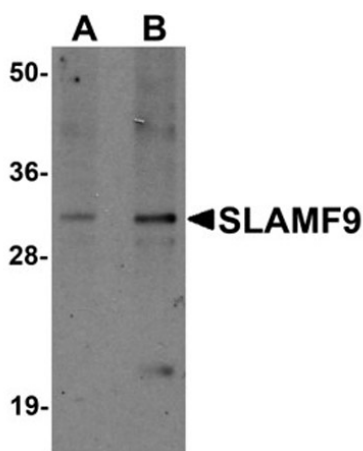


Immunofluorescence Microscopy

Immunofluorescence of SLAMF9.

Tissue: human kidney tissue.

Primary Antibody: SLAMF9 antibody at 20 µg/mL.

**Western Blot**

Western blot analysis of SLAMF9.

Load: mouse kidney tissue lysate.

Primary Antibody: SLAMF9 antibody at (A) 1µg/mL and (B) 2µg/mL.

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.