

Datasheet for 600-401-EN6**SLAMF4 Antibody****Overview**

Description:	Anti-SLAMF4 (RABBIT) Antibody - 600-401-EN6
Item No.:	600-401-EN6
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The signaling lymphocyte-activation molecule family member 4 (SLAMF4), also known as 2B4, is an important regulator of Natural Killer (NK) cell activation. It is expressed on NK cells as well as on subsets of T cells and interacts with SLAMF2, causing the activation of both SLAMF4- and SLAMF2-expressing cells. Patients with systemic lupus erythematosus have lower than normal levels of SLAMF4 expressed on their NK cells and monocytes, suggesting that SLAMF4 may play a role in this autoimmune disease.
Synonyms:	SLAMF4 Antibody, 2B4, NAIL, Nmrk, NKR2B4, SLAMF4, 2B4, Natural killer cell receptor 2B4, NK cell activation-inducing ligand
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CD244
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SLAMF4 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of human SLAMF4.

Purity/Specificity: Anti-SLAMF4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of SLAMF4 are known to exist. SLAMF4 antibody is predicted to not cross-react with other SLAM protein family members.

Relevant Links:

- [UniProtKB - Q9BZW8](#)
- [GeneID - 51744](#)
- [NCBI - NP_1160135](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-SLAMF4 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 42 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

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 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

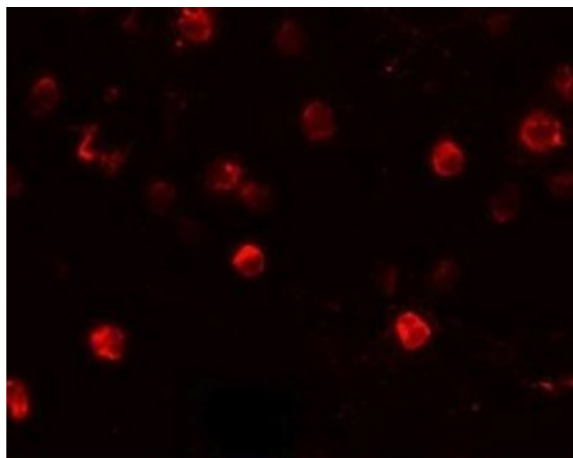
Shipping & Handling

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

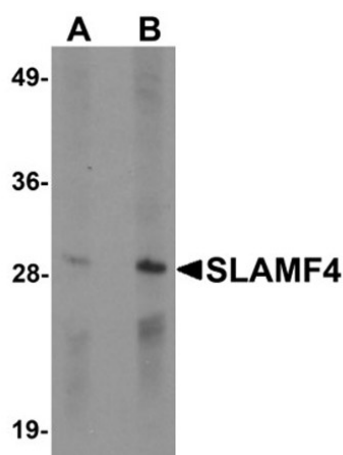


Immunofluorescence Microscopy

Immunofluorescence of SLAMF4.

Cell: Daudi cells.

Primary Antibody: SLAMF4 antibody at 20 µg/mL.



Western Blot

Western blot analysis of SLAMF4.

Load: Daudi cell lysate.

Primary Antibody: SLAMF4 antibody at (A) 1 µg/mL and (B) 2 µg/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.