

Datasheet for 600-401-AL6**CLEC2A Antibody****Overview**

Description:	Anti-CLEC2A (RABBIT) Antibody - 600-401-AL6
Item No.:	600-401-AL6
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	CLEC2A (C-type lectin domain family 2 member A), also known as PILAR (proliferation-induced lymphocyte-associated receptor) is involved in modulating T-cell expansion. It is a 32 kDa single-pass type II membrane protein that contains one C-type lectin domain in its extracellular region and belongs to the CTL/CTLD superfamily. CLEC2A is mainly expressed in skin and highly expressed in CD8(+), B lymphocytes and naive CD4(+) T cells. Manipulation of CLEC2A signaling may be important for treatment of autoimmune diseases and cancer.
Synonyms:	CLEC2A Antibody, KACL, PILAR, UNQ5792, KACL, UNQ5792/PRO19597, C-type lectin domain family 2 member A, Keratinocyte-associated C-type lectin
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CLEC2A
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CLEC2A antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human CLEC2A.

Purity/Specificity: Anti-CLEC2A Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CLEC2A antibody is human specific. Two alternatively spliced transcript variants have been observed.

Relevant Links:

- [UniProtKB - Q6UWV9](#)
- [GeneID - 387836](#)
- [NCBI - NP_001124183](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-CLEC2A 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 20 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

IF: 20 µg/mL

WB: 1 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

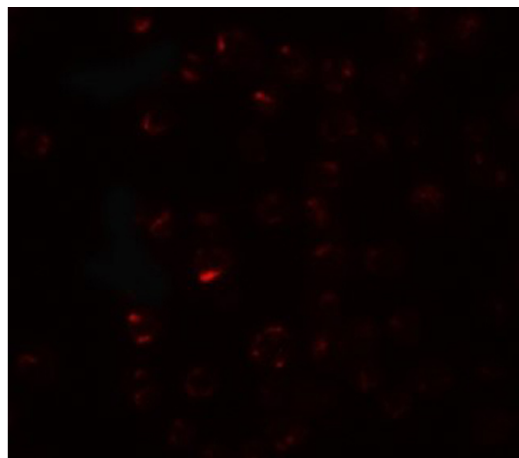
Shipping & Handling

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

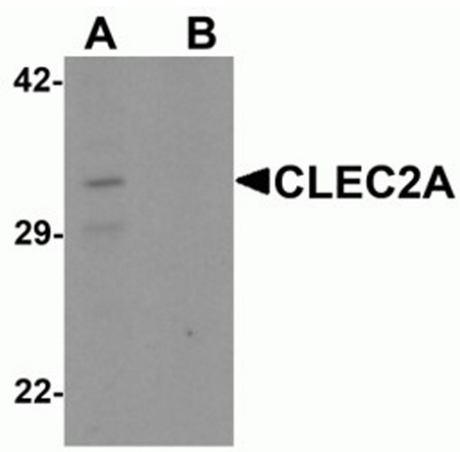


Immunofluorescence Microscopy

Immunofluorescence of CLEC2A.

Cell: K562 cells.

Primary Antibody: CLEC2A antibody at 20 µg/mL.



Western Blot

Western blot analysis of CLEC2A.

Load: K562 cell lysate.

Primary Antibody: CLEC2A antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

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.