

Datasheet for 600-401-EK3**SIGLEC15 Antibody****Overview**

Description:	Anti-SIGLEC15 (RABBIT) Antibody - 600-401-EK3
Item No.:	600-401-EK3
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Siglecs are vertebrate cell-surface lectins that recognize sialylated glycans and are involved in many physiological processes, such as glycoprotein turnover, cellular trafficking, and pathogen recognition. Most Siglecs are expressed on cells of the immune system. SIGLEC15 is a type-I transmembrane protein consisting of two immunoglobulin (Ig)-like domains, a transmembrane domain containing a lysine residue, and a short cytoplasmic tail. SIGLEC15 can interact with the activating adaptor molecules DAP12/10. Its activating signaling potential and unique preference for glycan recognition implies that SIGLEC15 may be involved in the immune surveillance of tumors and probably plays a conserved, regulatory role in the immune system of vertebrates.
Synonyms:	SIGLEC15 Antibody, CD33L3, HsT1361, SIGLEC-15, CD33L3, Sialic acid-binding Ig-like lectin 15, CD33 antigen-like 3, Siglec-15
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SIGLEC15
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SIGLEC15 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the N-terminus of human SIGLEC15.

Purity/Specificity: Anti-SIGLEC15 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SIGLEC15 antibody is predicted to not cross-react with other SIGLEC family members.

Relevant Links:

- [UniProtKB - Q6ZMC9](#)
- [GeneID - 284266](#)
- [NCBI - NP_998767](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-SIGLEC15 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 36 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

IHC: 2.5 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

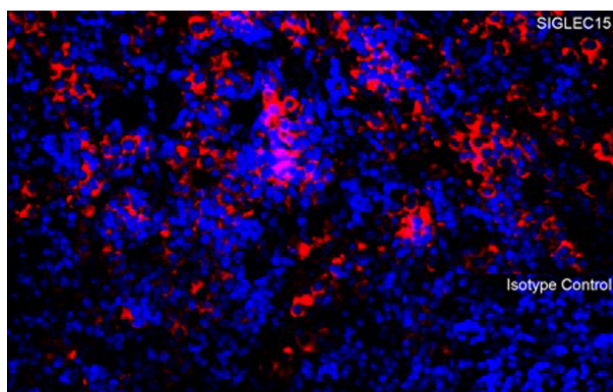
Shipping & Handling

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

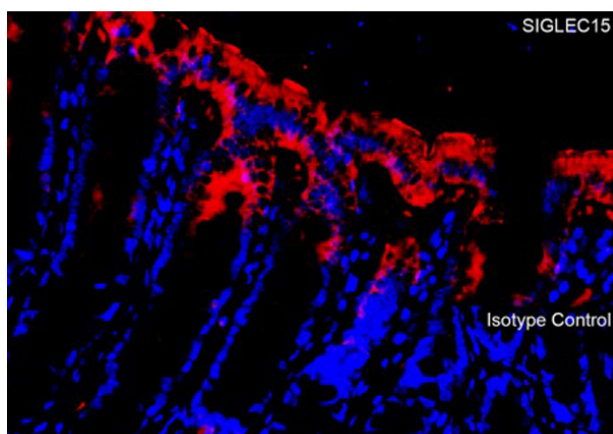
Immunofluorescence of SIGLEC15.

Tissue: Mouse Spleen.

Fixation: 4% paraformaldehyde-fixed.

Primary Antibody: SIGLEC15 at 20 µg/mL.

Secondary: goat anti-rabbit IgG antibody at 1:500 dilution (red) and DAPI staining (blue).



Immunofluorescence Microscopy

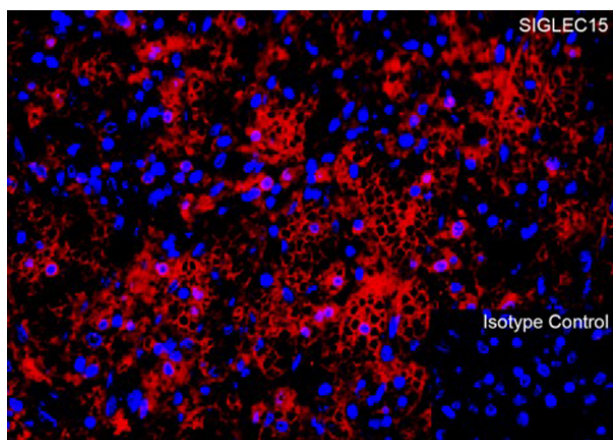
Immunofluorescence of SIGLEC15.

Tissue: Rat Small Intestine.

Fixation: 4% paraformaldehyde-fixed.

Primary Antibody: SIGLEC15 at 10 µg/mL.

Secondary Antibody: goat anti-rabbit IgG antibody at 1:500 dilution (red) and DAPI staining (blue).



Immunofluorescence Microscopy

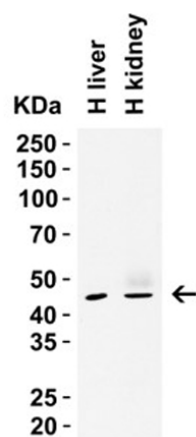
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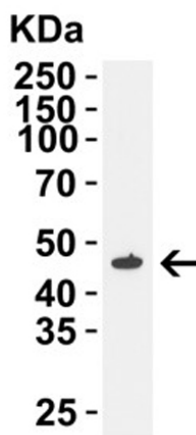
Western Blot

Western Blot of SIGLEC15.

Load: 15 µg of human liver or kidney lysates.

Primary Antibody: SIGLEC15 at 2 µg/mL for 1h incubation at RT in 5% NFDm/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



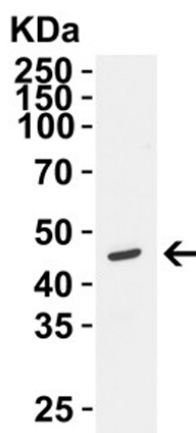
Western Blot

Western Blot of SIGLEC15.

Load: 15 µg of Mouse Kidney lysate.

Primary Antibody: SIGLEC15 at 2 µg/mL for 1h incubation at RT in 5% NFDm/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000



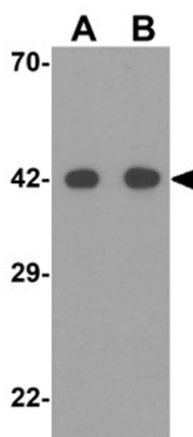
Western Blot

Western Blot of SIGLEC15.

Load: 15 µg of Rat Testis lysate.

Primary Antibody: SIGLEC15 at 2 µg/mL for 1 h incubation at RT in 5% NFDm/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

**Western Blot**

Western Blot of SIGLEC15.

Load: 15 µg of human kidney lysate.

Primary Antibody: SIGLEC15 at (Lane A: 1µg/mL, Lane B: 2µg/mL) for 1 h incubation at RT in 5% NFDm/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

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.