

Datasheet for 600-401-EK2**Siglec11 Antibody****Overview**

Description:	Anti-SIGLEC11 (RABBIT) Antibody - 600-401-EK2
Item No.:	600-401-EK2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Siglecs are sialic acid-binding lectins of the immunoglobulin superfamily that are mainly expressed in cells of the hematopoietic system. Siglec11 is unlike other siglecs in that it binds specifically to alpha2-8-linked sialic acids and is not found in peripheral blood leukocytes but instead on macrophages of various tissues. Siglec11 is highly homologous to Siglec10 over their extracellular domain but not over their cytoplasmic domain, suggesting that Siglec11 arose through gene duplication followed by a recombination event involving another ancestral siglec gene. Following treatment of Siglec11-transfected cells with pervanadate, Siglec11 becomes tyrosine-phosphorylated and strongly associates with SHP-1 and SHP-2. At least five isoforms of Siglec11 are known to exist. Siglec11 antibody will not cross-react with Siglec10.
Synonyms:	Siglec11 Antibody, Sialic acid-binding Ig-like lectin 11, Sialic acid-binding lectin 11
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SIGLEC11
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Siglec11 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide from near the C-terminus of human Siglec11.
Purity/Specificity:	Anti-Siglec11 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Siglec11 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96RL6 • GeneID - 114132 • NCBI - NP_443116

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Siglec11 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 76 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
IHC:	5 µg/mL
WB:	1 µg/mL

Formulation

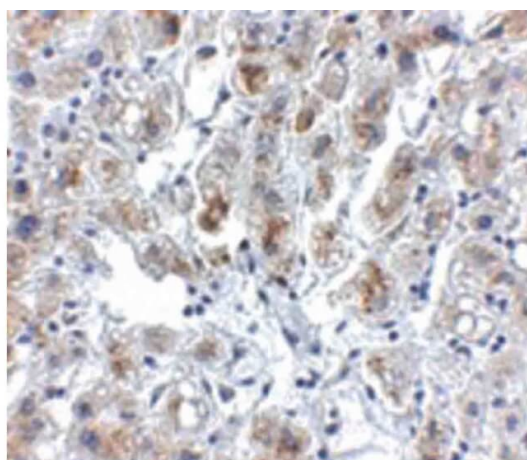
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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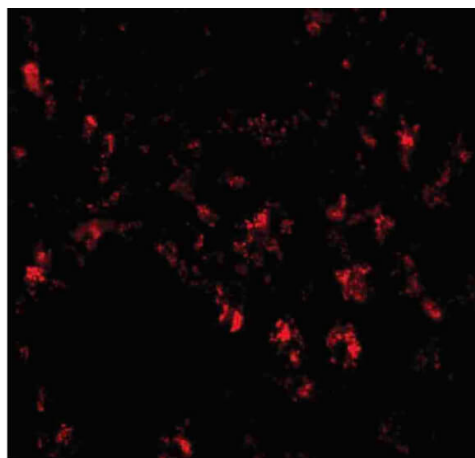
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



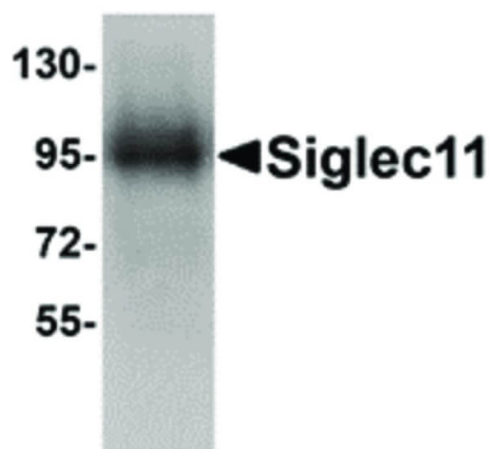
Immunohistochemistry

Immunohistochemistry of Siglec11 antibody. Tissue: Human liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Siglec11 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Siglec11 is a membrane protein. Staining: Siglec11 as precipitated brown signal with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of SIGLEC11 antibody. Tissue: human liver tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SIGLEC11 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SIGLEC11 is a membrane protein. Staining: SIGLEC11 as red fluorescent signal.

**Western Blot**

Western Blot of Siglec11 antibody. Lane 1: HepG2 cell lysate. Load: 35 µg per lane. Primary Antibody: Siglec11 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 76 kDa, 95 kDa for Siglec11. Other band(s): Siglec11 splice variants and isoforms.

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.