

Datasheet for 600-401-FK9**TNFRSF14 Antibody****Overview**

Description:	Anti-TNFRSF14 (RABBIT) Antibody - 600-401-FK9
Item No.:	600-401-FK9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Tumor necrosis factor receptor (TNFR) superfamily members are defined by cysteine-rich domains in their extracellular regions that bind TNF-related ligands that share a common structural homology in their extracellular domain. TNFRSF14 was initially identified as the Herpesvirus entry mediator and upon binding to the herpes simplex virus (HSV) envelope glycoprotein D or either of its natural ligands LIGHT and lymphotoxin alpha (LT), activates the transcription factors NF-κB and AP-1. Activation of this signal transduction pathway in T cells stimulates T cell proliferation and cytokine production, leading to inflammation and enhanced CTL-mediated tumor immunity, suggesting that these proteins may be useful as potential targets for controlling cellular immune responses.
Synonyms:	TNFRSF14 Antibody, TR2, ATAR, HVEA, HVEM, CD270, LIGHTR, UNQ329/PRO509, Tumor necrosis factor receptor superfamily member 14, Herpes virus entry mediator A, Herpesvirus entry mediator A
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TNFRSF14
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-TNFRSF14 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide from near the C-terminus of human TNFRSF14.
Purity/Specificity:	Anti-TNFRSF14 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TNFRSF14 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q92956 • GeneID - 8764 • NCBI - NP_003811.2

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TNFRSF14 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 30 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:	1:20,000
IF:	20 µg/mL
WB:	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

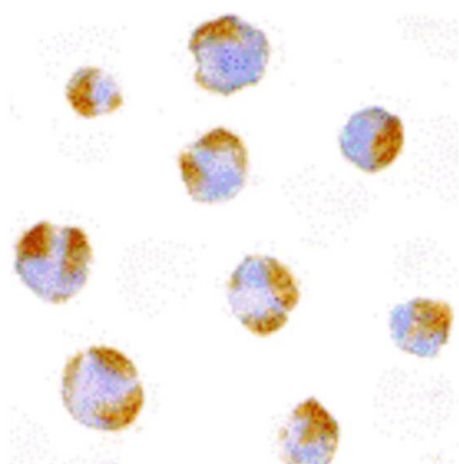
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

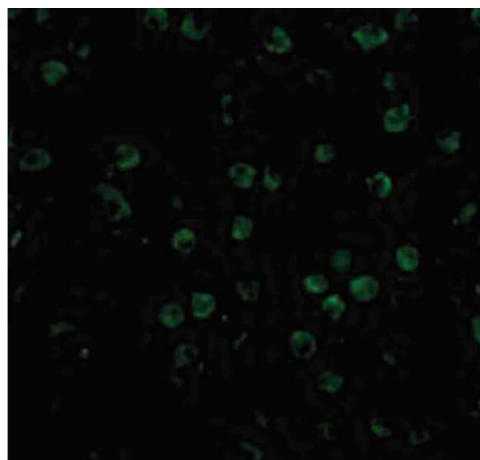
Expiration: Expiration date is one (1) year from date of receipt.

Images



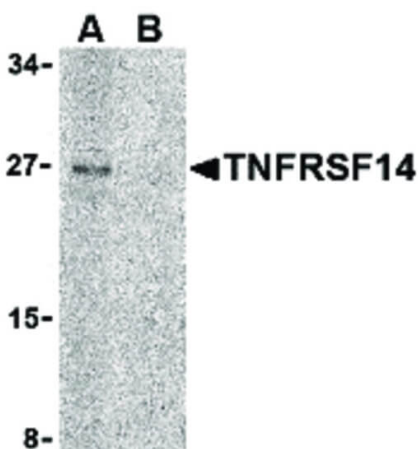
Immunohistochemistry

Immunocytochemistry of TNFRSF14 antibody. Cell Type: Raji cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TNFRSF14 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TNFRSF14 is located in the cell membrane. Staining: TNFRSF14 is stained brown with hematoxylin purple counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of TNFRSF14 antibody. Cell Type: Raji cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TNFRSF14 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: TNFRSF14 is located in the cell membrane. Staining: TNFRSF14 as green fluorescent signal.



Western Blot

Western Blot of TNFRSF14 antibody in Raji cell lysate. Lane A: TNFRSF14 antibody in the absence of blocking peptide. Lane B: TNFRSF14 antibody in the presence of blocking peptide. Load: 35 µg per lane. Primary antibody: TNFRSF14 antibody at 2 µg/mL for overnight at 4°C. 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: 31 kDa, 27 kDa for TNFRSF14. Other band(s): TNFRSF14 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.