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Datasheet for 600-401-FL0

TNFRSF14 Antibody

Overview

Description:	Anti-TNFRSF14 (RABBIT) Antibody - 600-401-FL0
Item No.:	600-401-FL0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
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-kB 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, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-TNFRSF14 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the N-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, Immunohistochemistry 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:	1:10,000 - 1:20,000
IF:	10 µg/mL
IHC:	1 µg/mL
WB:	1-2 µg/mL

Formulation

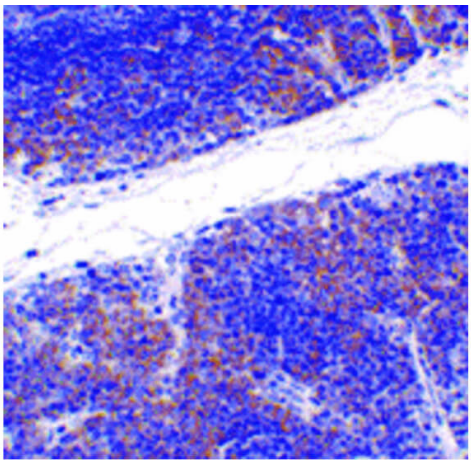
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

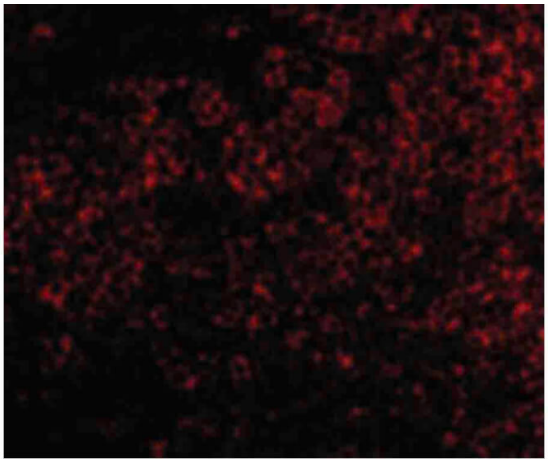
Shipping Condition:	Dry Ice

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.

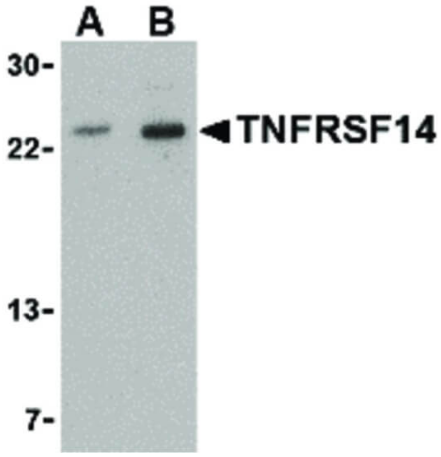
Images



Immunohistochemistry
Immunohistochemistry of TNFRSF14 antibody. Tissue: mouse thymus tissue. 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 with toluidine blue.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of TNFRSF14 antibody. Cell Type: Mouse thymus cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TNFRSF14 antibody at 10 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 red fluorescent signal.



Western Blot
Western Blot of TNFRSF14 antibody in mouse thymus tissue lysate. Lane A: TNFRSF14 antibody at 1 µg/mL. Lane B: TNFRSF14 antibody at 2 µg/mL. Load: 35 µg per lane. Primary antibody: TNFRSF14 antibody at designated concentrations 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, 24 kDa for TNFRSF14.
Other band(s): TNFRSF14 splice variants and isoforms.

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