

Datasheet for 600-401-958**TLR8 Antibody****Overview**

Description:	Anti-TLR8 (RABBIT) Antibody - 600-401-958
Item No.:	600-401-958
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	TLR8 (Toll Like Receptor 8). Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses (1-3). These proteins act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors (4,5). Like TLR7, TLR8 is localized to endosomal or lysosomal compartments (6) and stimulates the innate immune response after activation by guanosine- and uridine-rich single-stranded RNA (7). Human but not murine TLR8 confers responsiveness to the antiviral compound R-848 (8).
Synonyms:	CD 288 antibody, CD288 antibody, CD288 antigen antibody, MGC119599 antibody, MGC119600 antibody, TLR 8 antibody, Toll Like Receptor 8 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TLR8
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human TLR8 protein.

Purity/Specificity: This affinity-purified antibody is directed against human TLR8 protein. The product is affinity chromatography purified via peptide column. A BLAST analysis was used to suggest cross reactivity with TLR8 protein from human and mouse sources based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.

Relevant Links:

- [UniProtKB - Q9NR97](#)
- [NCBI - 74054102](#)
- [GenelD - 51311](#)

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TLR8 antibody has been tested for use in ELISA, immunohistochemistry, Immunocytochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 115 kDa in size corresponding to TLR8 protein by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	10µg/mL
WB:	0.5 to 2.0 ug/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 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.

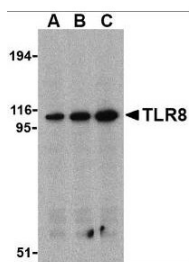
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of Rabbit Anti-TLR8 Antibody. Tissue: a Daudi cell. Fixation: paraformaldehyde fixed. Antigen retrieval: not required. Primary antibody: TLR 8 antibody at 1:500 for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TLR 8 is cytoplasmic. Staining: TLR-8 as precipitated brown signal with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of Rabbit Anti-TLR8 Antibody. Lane 1: Daudi whole cell lysate primary antibody diluted to 1:2000. Lane 2: Daudi whole cell lysate primary antibody diluted to 1:1000. Lane 3: Daudi whole cell lysate primary antibody diluted to 1:500. Load: 10 µg per lane. Primary antibody: TLR 8 antibody overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 115 kDa, 115 kDa for TLR-8. Other band(s): none.

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.