

Datasheet for 200-401-FF8**TLR11 Antibody****Overview**

Description:	Anti-TLR11 (RABBIT) Antibody - 200-401-FF8
Item No.:	200-401-FF8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	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. These proteins act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors. TLR11 is one of three mouse TLRs that lack a human ortholog. It is activated specifically by uropathogenic bacteria, and mice lacking TLR11 showed a much greater susceptibility to uropathogenic infections, indicating a potentially important role for TLR11 in preventing infections in the urogenital system.
Synonyms:	TLR11 Antibody, Gm287, Gm287, Toll-like receptor 11
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Tlr11
Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TLR11 antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to 16 amino acids between the internal region and C-terminus of mouse TLR11.

Purity/Specificity: Anti-TLR11 Antibody is purified by ion exchange chromatography. Cross reactivity with TLR11 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q6R5P0](#)
- [GeneID - 239081](#)
- [NCBI - NP_991388.2](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-TLR11 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 106 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: 1:5000 - 1:20,000

IF: 10 µg/mL

WB: 0.5-2 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

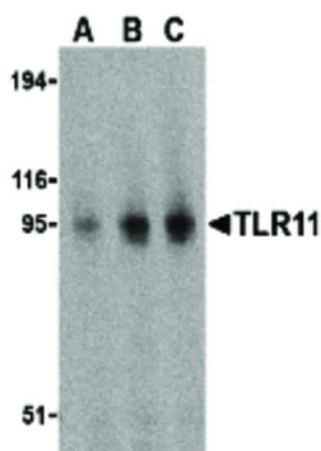
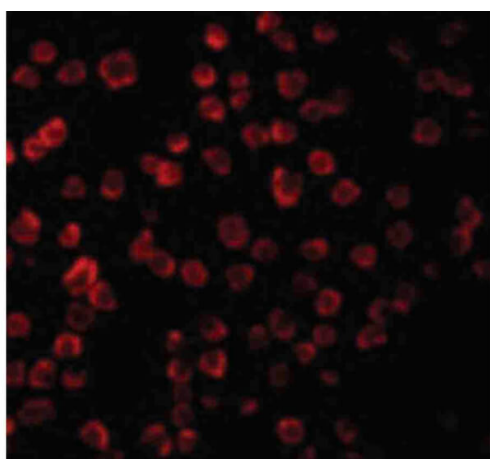
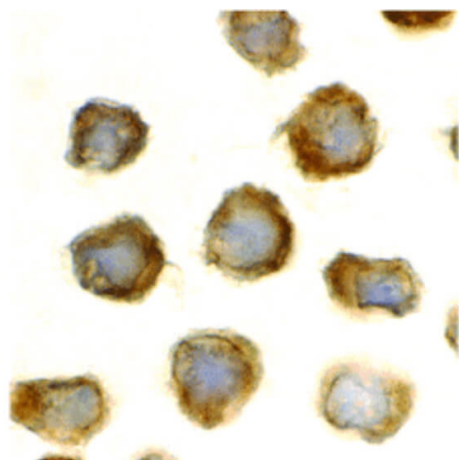
Shipping & Handling

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

Immunocytochemistry of TLR11 antibody. Cell Type: RAW264.7 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TLR11 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: TLR11 is located in the cytoplasm, endosome, lipid droplet, and cell membrane. Staining: TLR11 is stained brown with hematoxylin purple nuclear counterstain.

Immunofluorescence Microscopy

Immunofluorescence Microscopy of TLR11 antibody. Cell Type: Raw264 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TLR11 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: TLR11 is located in the cytoplasm, endosome, lipid droplet, and cell membrane. Staining: TLR11 as red fluorescent signal.

Western Blot

Western Blot of TLR11 antibody. Lane A: RAW264.7 cell lysates at 0.5 µg/mL. Lane B: RAW264.7 cell lysates at 1 µg/mL. Lane C: RAW264.7 cell lysates at 2 µg/mL. Load: 35 µg per lane. Primary antibody: TLR11 antibody at designated concentrations 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: 47 kDa, 95 kDa for TLR11. Other band(s): TLR11 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.