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Datasheet for 600-401-FG5

TLR8 Antibody

Overview

Description:	Anti-TLR8 (RABBIT) Antibody - 600-401-FG5
Item No.:	600-401-FG5
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
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. Like TLR7, TLR8 is localized to endosomal or lysosomal compartments and stimulates the innate immune response after activation by guanosine- and uridine-rich single-stranded RNA. Human but not murine TLR8 confers responsiveness to the antiviral compound R-848.
Synonyms:	TLR8 Antibody, CD288, Toll-like receptor 8
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TLR8
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TLR8 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human TLR8.

Purity/Specificity:	Anti-TLR8 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of TLR8 are known to exist. TLR8 antibody is predicted to not cross-react with other TLR protein family members.
Relevant Links:	• UniProtKB - Q9NR97 • GeneID - 51311 • NCBI - NP_619542.1

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-TLR8 Antibody has been tested for use in ELISA and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 120 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:	User Optimized
IHC:	5 µg/mL

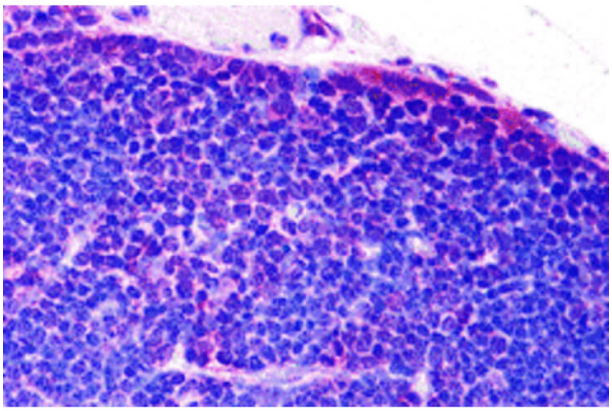
Formulation

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 TLR8 antibody. Tissue: human thymus tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TLR8 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: TLR8 is located in the cell membrane. Staining: TLR8 is stained with toluidine blue.

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