

## Datasheet for ABIN6655315 **anti-TLR3 antibody**

### 3 Images



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### Overview

Quantity:	100 µg
Target:	TLR3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TLR3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunofluorescence (IF)

### Product Details

Purpose:	TLR3 Antibody
Immunogen:	TLR3 Antibody was produced in mice prepared by repeated immunizations with a peptide corresponding to internal amino acid sequences in the human protein TLR3.
Clone:	40C1285-6
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Anti-TLR3 from dog, human and mouse based on 100 % homology with the immunizing sequence.
Purification:	Anti-TLR3 Antibody was purified by Protein G chromatography.

### Target Details

Target:	TLR3
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## Target Details

Alternative Name:	TLR3 ( <a href="#">TLR3 Products</a> )
Background:	<p>Synonyms: Toll-like receptor 3, CD283</p> <p>Background: Anti-TLR3 Antibody detects human TLR3. The Toll-like receptor (TLR) family in mammal comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Like its counterparts in Drosophila, TLRs signal through adaptor molecules and could constitute an important and unrecognized component of innate immunity in humans. The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition. TLRs characterized so far activate the MyD88/interleukin-1 receptor-associated kinase (IRAK) signaling pathway. Ten human homologs of TLRs (TLR1-10) have been described. TLR3 cDNA codes for a protein with approximate molecular weight of 120 kDa. TLR3 has a restricted expression pattern being expressed in dendritic cells (DC). TLR3 mRNA expression was detected by in situ hybridization in DC and lymph nodes . The expression of TLR3 in a single cell type may indicate a specific role for this molecule in a restricted setting. Anti-TLR3 Antibody is ideal for investigators involved in cytokines and growth factor research.</p> <p>Gene Name: TLR3</p>
Gene ID:	7098
NCBI Accession:	<a href="#">NP_003256</a>
UniProt:	<a href="#">O15455</a>
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Hepatitis C</a> , <a href="#">Toll-Like Receptors Cascades</a>

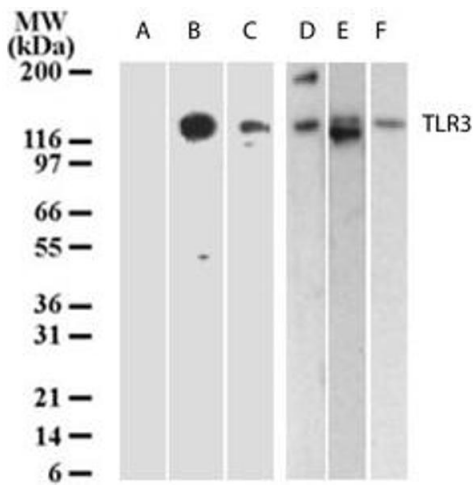
## Application Details

Application Notes:	<p>Immunoprecipitation_Dilution: 2 µg/10<sup>6</sup> cells</p> <p>Immunohistochemistry_Dilution: 10 µg/mL</p> <p>Flow_Cytometry_Dilution: 2-4 µg/10<sup>6</sup> cells</p> <p>Western_Blot_Dilution: 1-3 µg/mL</p>
Comment:	<p>Anti-TLR3 Antibody is tested for use in WB, Flow, Flow-IC, ICC/IF, IHC, IHC-P, IP, and Bioactivity. Expect a band approximately 120kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.</p>
Restrictions:	For Research Use only

Handling

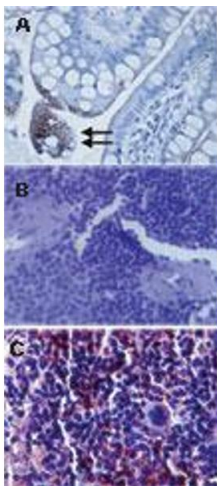
Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 0.05 % BSA Preservative: 0.05 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



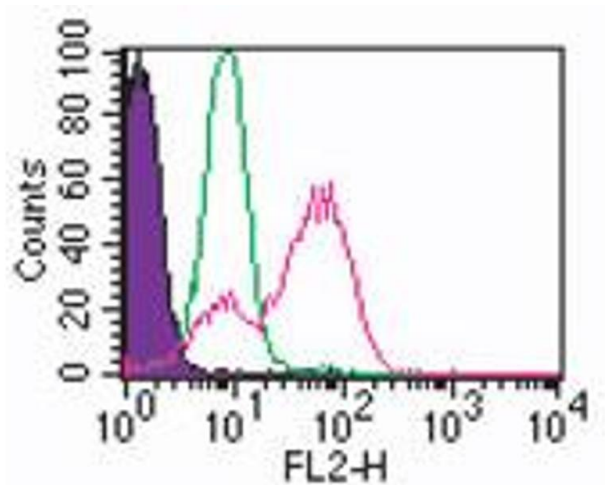
Western Blotting

**Image 1.** TLR3 Western Blot. Western Blot of Mouse Anti-TLR3 antibody. Lane A: untransfected 293. Lane B: 293 cells with human TLR3 cDNA. Lane C: human intestine. Lane D: placenta. Lane E: heart. Lane F: ovary. Primary antibody: TLR3 antibody at 3 µg/mL for overnight at 4°C. Secondary antibody: Goat anti-mouse HRP conjugate at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for TLR3. Other band(s): none.



Immunohistochemistry

**Image 2.** TLR3 Immunohistochemistry. Immunohistochemistry of mouse Anti-TLR3 antibody. Tissue A: Human gut lumen (longitudinal section, tranverse region) using TLR3. Tissue B: Mouse spleen tissue using isotype control. Tissue C: Mouse spleen tissue using TLR3. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TLR3 antibody at tissue A at 10 µg/mL and at tissue C at 5 mg/ml for 1 h at RT. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000 for 45 min at RT. Localization: TLR3 is an endoplasmic reticulum membrane and a single-pass type 1 membrane protein. Staining: TLR3 is precipitated as a red signal with hematoxylin purple nuclear counterstain.



Flow Cytometry

**Image 3.** TLR3 Flow Cytometry Flow Cytometry of Mouse Anti-TLR3 antibody. Cells: Human monocytes. Stimulation: none. Primary Antibody: Anti-TLR3 antibody at 0.5 ug (red) and isotype control (green). Secondary Antibody: Goat anti-mouse IgG1 PE conjugate (BD).