

Datasheet for ABIN6655316
anti-TLR8 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	TLR8
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TLR8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Dot Blot (DB)

Product Details

Purpose:	TLR8 Antibody
Immunogen:	TLR8 Antibody was produced in mice prepared by repeated immunizations with amino acids corresponding to an internal sequence of human TLR8 protein.
Clone:	44C143
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Anti-TLR8 from human and mouse based on 100 % homology with the immunizing sequence.
Purification:	Anti-TLR8 Antibody was purified by Protein G chromatography.

Target Details

Target:	TLR8
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Target Details

Alternative Name:	TLR8 (TLR8 Products)
Background:	<p>Synonyms: Toll-like receptor 8</p> <p>Background: Anti-TLR8 CD288 Antibody detects human TLR8. 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. The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition. Ten human homologs of TLRs (TLR1-10) have been described. TLR8 gene contains three exons, two of which have coding function. TLR8 cDNA codes for a protein of approximate molecular weight of 120 kDa. Anti-TLR8 CD288 Antibody is ideal for investigators involved in cytokines and growth factor research.</p> <p>Gene Name: TLR8</p>
Gene ID:	51311
NCBI Accession:	NP_619542
UniProt:	Q9NR97
Pathways:	TLR Signaling, Activation of Innate immune Response, Toll-Like Receptors Cascades

Application Details

Application Notes:	<p>Immunohistochemistry_Dilution: 5 µg/mL</p> <p>Flow_Cytometry_Dilution: 0.5-1 µg/10⁶ cells</p> <p>Western_Blot_Dilution: 1-3 µg/mL</p>
Comment:	<p>Anti-TLR8 Antibody is tested for use in WB, DB, Flow, Flow-CS, Flow-IC, ICC/IF, IHC, and IHC-P. Expect a band approximately 121kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.</p>
Restrictions:	For Research Use only

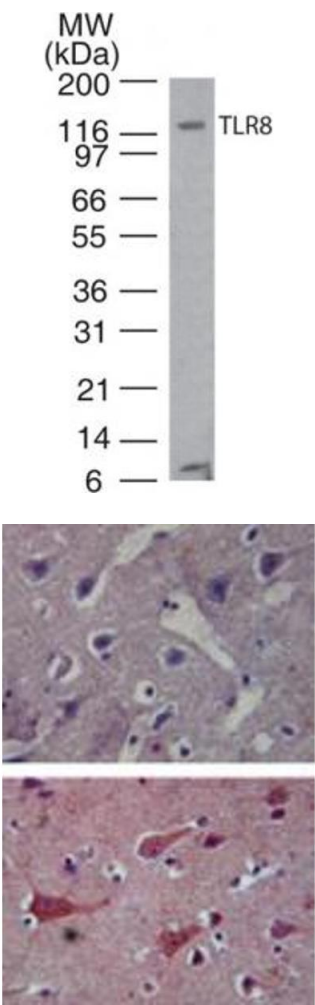
Handling

Format:	Liquid
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 0.05 % BSA</p> <p>Preservative: 0.05 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide

Handling

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. TLR8 Western Blot. Western Blot of Mouse Anti-TLR8 CD288 antibody. Lane A: human Ramos cell lysate. Primary antibody: TLR8 CD288 at 3 µg/mL overnight at 4°C. Secondary antibody: Goat anti-mouse Ig HRP antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for TLR8. Other band(s): none.

Immunohistochemistry

Image 2. TLR8 Immunohistochemistry. Immunohistochemistry of mouse Anti-TLR8 CD288 antibody. Tissue: human brain 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 mouse secondary antibody at 1:10,000 for 45 min at RT. Localization: TLR8 is a single-pass type 1 membrane protein. Staining: Top tissue is an isotype control and bottom image TLR8 is a precipitated red signal with hematoxylin purple nuclear counterstain.