

Datasheet for ABIN6655865
anti-TLR5 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	TLR5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TLR5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	TLR5 Antibody
Immunogen:	TLR5 Antibody was produced in mice prepared by repeated immunizations with a synthetic KLH-conjugated peptide corresponding to human TLR5.
Clone:	85B152-5
Isotype:	IgG2a kappa
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Anti-TLR5 from dog, human and mouse based on 100 % homology with the immunizing sequence.
Purification:	Anti-TLR5 Antibody was purified by Protein G chromatography.

Target Details

Target:	TLR5
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Target Details

Alternative Name:	TLR5 (TLR5 Products)
Background:	Synonyms: TIL3, Toll-like receptor 5, Toll/interleukin-1 receptor-like protein 3 Background: Anti-TLR5 Antibody detects human TLR5. 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. Thirteen homologs of TLRs (TLR1-13) have been described. Toll-like receptor 5 (TLR5) expression is upregulated following exposure to bacteria or to the TLR5 agonist, flagellin. Gram-negative bacteria, stimulate monocyte/macrophage cells in a TLR5-specific, CD14-independent manner. The TLR5 receptor thus appears to be the principal means by which the innate immune system recognizes flagellated bacterial pathogens. Anti-TLR5 Antibody is ideal for investigators involved in cytokines and growth factor research. Gene Name: TLR5
Gene ID:	7100
NCBI Accession:	NP_003259
UniProt:	O60602
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades

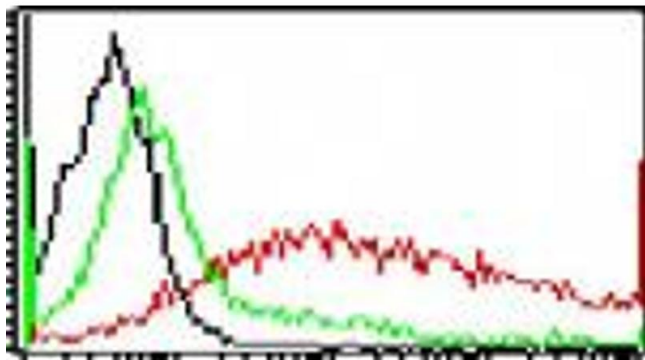
Application Details

Application Notes:	Flow_Cytometry_Dilution: 1-3 µg/10 ⁶ cells Western_Blot_Dilution: 1-3 µg/mL
Comment:	Anti-TLR5 Antibody is tested for use in WB, Flow, Flow-CS, Flow-IC, IHC, and IHC-P. Expect a band approximately 97kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

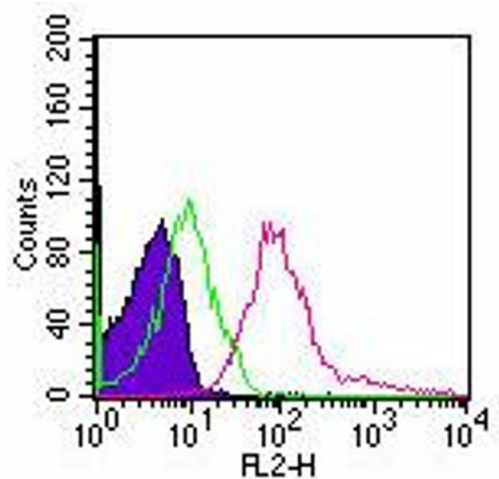
Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 0.05 % BSA Preservative: 0.05 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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



Immunohistochemistry

Image	1.	TLR5	Immunohistochemistry.
Immunohistochemistry of mouse Anti-TLR5 antibody. Tissue: mouse brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TLR5 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: TLR5 is a single-pass type 1 membrane protein. Staining: TLR5 is stained brown.			



Flow Cytometry

Image 2. TLR5 Flow Cytometry Flow Cytometry of Mouse Anti-TLR5 antibody. Cells: human monocytes. Stimulation: none. Primary Antibody: TLR5 antibody at 0.5 ug (red) and isotype control (green). Secondary Antibody: Goat anti-mouse IgG PE.