



[Go to Product page](#)

Datasheet for ABIN3029170
anti-TLR4 antibody (AA 669-698)

3 Images

Overview

Quantity:	0.4 mL
Target:	TLR4
Binding Specificity:	AA 669-698
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

Product Details

Immunogen:	A portion of amino acids 669-698 from the human protein was used as the immunogen for this TLR4 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Pig, Hamster
Purification:	Antigen affinity purified

Target Details

Target:	TLR4
Alternative Name:	TLR4 (TLR4 Products)
Background:	TLR4 is a member of the Toll-like receptor (TLR) family which plays a fundamental role in

Target Details

pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor is most abundantly expressed in placenta, and in myelomonocytic subpopulation of the leukocytes. It has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria.

UniProt: [O00206](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Toll-Like Receptors Cascades](#), [Inflammasome](#), [S100 Proteins](#)

Application Details

Application Notes: Titration of the TLR4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

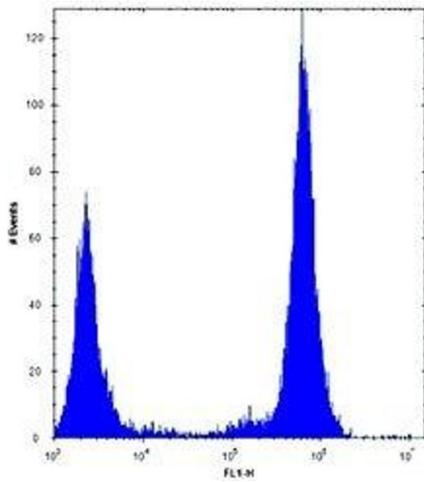
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

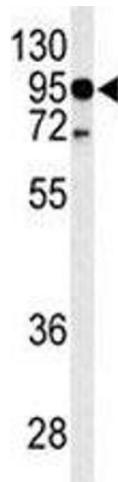
Storage: -20 °C

Storage Comment: Aliquot the TLR4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



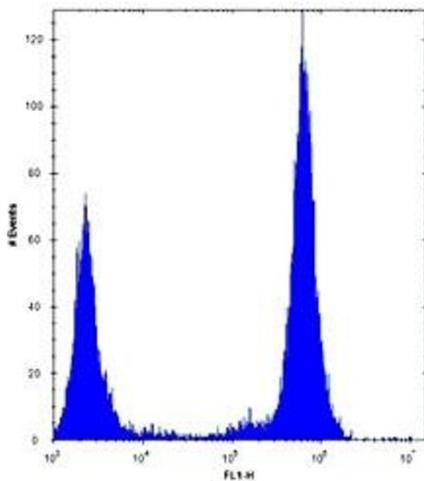
Flow Cytometry

Image 1. TLR4 antibody flow cytometric analysis of U251 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western Blotting

Image 2. Western blot analysis of TLR4 antibody and HL-60 lysate.



Flow Cytometry

Image 3. TLR4 antibody flow cytometric analysis of U251 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.