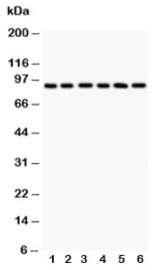
TLR1 Antibody (R31370)

Catalog No.	Formulation	Size
R31370	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q15399
Applications	Western Blot : 0.5-1ug/ml
Limitations	This TLR1 antibody is available for research use only.



Western blot testing of TLR1 antibody and Lane 1: COLO320; 2: SW620; 3: SKOV; 4: Jurkat; 5: CEM; 6: PANC lysate. Predicted molecular weight ~90 kDa.

Description

Toll-like receptor 1(TLR1), also called TIL or CD281 is a member of the Toll-like receptor family(TLR) of pattern recognition receptors of the innate immune system. This gene is mapped to 4p14 by fluorescence in situ hybridization. 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 gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene.

Application Notes

The stated application concentrations are suggested starting points. Titration of the TLR1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human TLR1 (NLRAAINIKLTEQAKK) was used as the immunogen for this TLR1 antibody.

Storage

After reconstitution, the TLR1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.