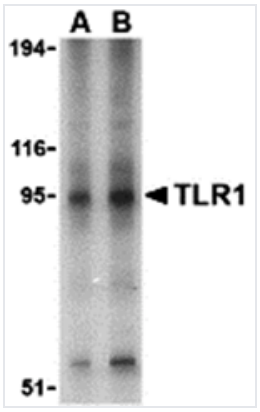
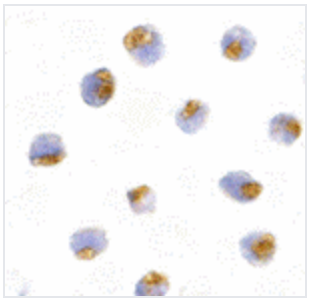
TLR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TLR1, Polyclonal Antibody
Full Product Name	TLR1 Antibody
Product Gene Name	anti-TLR1 antibody
Product Synonym Names	Toll-like receptor 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Purity/Purification	Ion exchange chromatography purified
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Molecular Weight	90,163 Da
3D Structure	ModBase 3D Structure for Q6FI64
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 17 amino acids near the center of human TLR1.
Target Name	TLR1
Product Categories/Family for anti-TLR1 antibody	Total protein Ab
Applications Tested/Suitable for anti-TLR1 antibody	ELISA (EIA), Western Blot (WB), Immunocytochemistry (ICC)
Related Product Information for anti-TLR1 antibody	Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in Drosophila. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors so the organism can respond to potential infection. TLR1 is co-expressed with TLR2 on myeloid cells of the innate immune systems in lymphoid tissue such as monocytes and dendritic cells where they form heterodimers that can recognize triacylated lipoproteins.
Other Notes	Small volumes of anti-TLR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TLR1 purchase	MBS9408213 is an antibody targeting TLR1. Also known as TLR1 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TLR1 antibody
Western blot analysis of TLR1 in Daudi cell lysate with TLR1 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry (ICC) of anti-TLR1 antibody
Immunocytochemistry of TLR1 in Daudi with TLR1 antibody at 10 ug/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLR1. It may not necessarily be applicable to this product.

NCBI GI #	49065550
NCBI GeneID	7096
NCBI Accession #	CAG38593
UniProt Primary Accession #	Q6FI64
UniProt Related Accession #	Q15399
NCBI Official Full Name	TLR1
NCBI Official Synonym Full Names	toll-like receptor 1
NCBI Official Symbol	TLR1
NCBI Official Synonym Symbols	TIL; CD281; rsc786; TIL. LPRS5
UniProt Protein Name	Toll-like receptor
Protein Family	Toll-like receptor
UniProt Gene Name	TLR1
UniProt Entry Name	Q6FI64_HUMAN
NCBI Protein Information	toll-like receptor 1
NCBI Summary for TLR1	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in 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 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. [provided by RefSeq, Jul 2008]
Research Articles on TLR1	**1.** Genetic variation rs5743565 in TLR1 might be associated with the decreased susceptibility to Graves disease, whlie polymorphisms in TLR6 and TLR10 did not reach the statistical significance.
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