TLR2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TLR2, Monoclonal Antibody
Full Product Name	TLR2 (Toll-like Receptor 2, CD282, TIL4) (AP)
Product Gene Name	anti-TLR2 antibody
Product Synonym Names	Toll-like Receptor 2; CD282; TIL4
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1C6
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes TLR2.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	TLR2 (AAH33756.1, 121aa-220aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KPLSSLTFLNLLGNPYKTLGETSLFSHLTKLQILRVGNMDTFTKIQRKDFAGLTFLEELEIDASDLQSYEPKSLKSIQNVSHLILHMKQHILLLEIFVDV
Conjugate	AP
Product Categories/Family for anti-TLR2 antibody	Antibodies; Toll Like Receptors (TLR)
Applications Tested/Suitable for anti-TLR2 antibody	ELISA (EIA)
Application Notes for anti-TLR2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TLR2 antibody	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 expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB. [provided by RefSeq]

Other Notes	Small volumes of anti-TLR2 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 TLR2 purchase	MBS6163217 is an antibody targeting TLR2. Also known as TLR2 (Toll-like Receptor 2, CD282, TIL4) (AP). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLR2. It may not necessarily be applicable to this product.

NCBI GI #	21708105
NCBI GeneID	7097
NCBI Accession #	AAH33756.1
UniProt Related Accession #	O60603
NCBI Official Full Name	TLR2 protein
NCBI Official Synonym Full Names	toll like receptor 2
NCBI Official Symbol	TLR2
NCBI Official Synonym Symbols	TIL4; CD282
Protein Family	Toll-like receptor
NCBI Protein Information	toll-like receptor 2
NCBI Summary for TLR2	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. This protein is a cell-surface protein that can form heterodimers with other TLR family members to recognize conserved molecules derived from microorganisms known as pathogen-associated molecular patterns (PAMPs). Activation of TLRs by PAMPs leads to an up-regulation of signaling pathways to modulate the host's inflammatory response. This gene is also thought to promote apoptosis in response to bacterial lipoproteins. This gene has been implicated in the pathogenesis of several autoimmune diseases. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
Research Articles on TLR2	**1.** The polymorphism rs5743708 for the TLR2 and the rs187084_rs5743836 TLR9 haplotypes appear to be involved in the development of clinical forms of SpA and can be a possible therapeutic target for the spondyloarthritis.
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