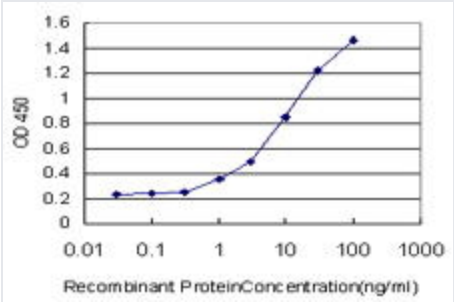
TLR2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TLR2, Monoclonal Antibody
Full Product Name	TLR2 (Toll-like Receptor 2, CD282, Toll/interleukin-1 Receptor-like Protein 4, TIL4) APC
Product Gene Name	anti-TLR2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1E7
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TLR2.
Preparation and Storage	Store product at 4 degree C in the dark. 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. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	89,838 Da
Immunogen	Partial recombinant corresponding to aa121-220 from human TLR2 (AAH33756) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KPLSSLTFLNLLGNPYKTLGETSLFSHLTKLQILRVGNMDTFTKIQRKDFAGLTFLEELEIDASDLQSYEPKSLKSIQNVSHLILHMKQHILLLEIFVDV
Conjugate	APC
Product Categories/Family for anti-TLR2 antibody	Antibodies; Toll Like Receptors (TLR)
Applications Tested/Suitable for anti-TLR2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-TLR2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TLR2 antibody	MBS6139522 is an antibody targeting TLR2. Also known as TLR2 (Toll-like Receptor 2, CD282, Toll/interleukin-1 Receptor-like Protein 4, TIL4) APC. Reactive in Human. Host: Mouse.
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.



Testing Data of anti-TLR2 antibody
Detection limit for recombinant GST tagged TLR2 is ~0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

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

NCBI GI #	21708104
NCBI GeneID	7097
NCBI Accession #	BC033756
NCBI Related Accession #	AAH33756
UniProt Secondary Accession #	O15454; Q8NI00; B3Y612; D1CS45; D1CS48; D1CS49
UniProt Related Accession #	O60603
NCBI Official Full Name	Homo sapiens toll-like receptor 2, mRNA
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.** these results suggest that targeting the COX-2/PGE2 pathway together with TLR/MyD88 signaling, which would suppress the inflammatory microenvironment and maintenance of stemness, could be an effective preventive or therapeutic strategy for gastric cancer
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/tlr2/6139522