TLR9 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TLR9, Monoclonal Antibody
Full Product Name	TLR9 (Toll-like Receptor 9, CD289) (MaxLight 490)
Product Gene Name	anti-TLR9 antibody
Product Synonym Names	Toll-like Receptor 9; CD289
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	10000
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes TLR9.
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 amo only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recov product, centrifuge the original vial prior to removing the cap.
Molecular Weight	114,237 Da
OMIM	605474
3D Structure	ModBase 3D Structure for B3Y661
Immunogen	TLR9 (NP_059138, 370aa-473aa) full length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DMHGIFFRSLDETTLRPLARLPMLQTLRLQMNFINQAQLGIFRAFPGLRYVDLSDNRISGASELTATMGEADGGEKVWLQPGDLAPAPVDTPSSEDFRPN
Conjugate	MaxLight490
Product Categories/Family for anti-TLR9 antibody	Antibodies; Toll Like Receptors (TLR)
Applications Tested/Suitable for anti-TLR9 antibody	FLISA, Western Blot (WB)
Application Notes for anti-TLR9 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-TLR9 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 activat 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 developme effective immunity. The various TLRs exhibit different patterns of expression. This gene is preferentially expressed in immune cell rich tissues, such as spleen, lymph node, bone marrow and peripheral blood leukocytes. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response. [provided by RefSeq]
Other Notes	Small volumes of anti-TLR9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa 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 TLR9 purchase	MBS6209068 is an antibody targeting TLR9. Also known as TLR9 (Toll-like Receptor 9, CD289) (MaxLight 490). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLR9. It may not necessarily be applicable to this product.

NCBI GI #	8394456
NCBI GeneID	54106
NCBI Accession #	NP_059138
UniProt Primary Accession #	B3Y661
UniProt Secondary Accession #	Q6UVZ2; Q9HD68; Q9HD69; Q9HD70; Q9NYC2; Q9NYC3; B3Y661; D1CS56
UniProt Related Accession #	Q9NR96
GenBank Nucleotide #	NM_017442
NCBI Official Full Name	toll-like receptor 9
NCBI Official Synonym Full Names	toll-like receptor 9
NCBI Official Symbol	TLR9
NCBI Official Synonym Symbols	CD289
UniProt Protein Name	Toll-like receptor 9
UniProt Synonym Protein Names	CD_antigen: CD289
Protein Family	Toll-like receptor
UniProt Gene Name	TLR9
UniProt Entry Name	TLR9_HUMAN
NCBI Protein Information	toll-like receptor 9
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