TLR7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TLR7, Polyclonal Antibody
Full Product Name	TLR7, CT (TLR7, Toll-like receptor 7) (MaxLight 405)
Product Gene Name	anti-TLR7 antibody
Product Synonym Names	TLR7; Toll-like receptor 7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	1049
Chromosome Location	Chromosome: X; NC_000023.10 (12885202..12908480). Location: Xp22.3
OMIM	300365
3D Structure	ModBase 3D Structure for Q9NYK1
Immunogen	TLR7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 898-927 amino acids from the C-terminal region of human TLR7.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-TLR7 antibody	Antibodies; Toll Like Receptors (TLR)
Applications Tested/Suitable for anti-TLR7 antibody	Western Blot (WB), FLISA
Application Notes for anti-TLR7 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TLR7 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 predominantly expressed in lung, placenta, and spleen, and lies in close proximity to another family member, TLR8, on chromosome X.
Product References and Citations for anti-TLR7 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Manuse, M.J., et al. Virology 405(2):383-389(2010). Cros, J., et al. Immunity 33(3):375-386(2010). Shen, N., et al. Proc. Natl. Acad. Sci. U.S.A. 107(36):15838-15843(2010). Enevold, C., et al. Mult. Scler. 16(8):942-949(2010).

Other Notes	Small volumes of anti-TLR7 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 TLR7 purchase	MBS6355915 is an antibody targeting TLR7. Also known as TLR7, CT (TLR7, Toll-like receptor 7) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLR7. It may not necessarily be applicable to this product.

NCBI GI #	7706093
NCBI GeneID	51284
NCBI Accession #	NP_057646.1
UniProt Primary Accession #	Q9NYK1
UniProt Secondary Accession #	Q9NR98; D1CS69
UniProt Related Accession #	Q9NYK1
GenBank Nucleotide #	NM_016562.3
NCBI Official Full Name	toll-like receptor 7
NCBI Official Synonym Full Names	toll-like receptor 7
NCBI Official Symbol	TLR7
NCBI Official Synonym Symbols	TLR7-like
UniProt Protein Name	Toll-like receptor 7
Protein Family	Toll-like receptor
UniProt Gene Name	TLR7
UniProt Entry Name	TLR7_HUMAN
NCBI Protein Information	toll-like receptor 7; toll-like receptor 7-like
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.
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