

Immunotag™ Toll-like Receptor 7 mouse mAb

Antibody Specification	
Catalog No.	ITM1519
Product Description	Immunotag™ Toll-like Receptor 7 mouse mAb
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Toll-like Receptor 7
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB
Recommended Dilution	wb dilution 1:1000
Concentration	1 mg/ml
Reactive Species	Transfected
Host Species	Mouse
Immunogen	Purified recombinant human Toll-like Receptor protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Toll-like Receptor and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	tlr7
Accession No.	Q9NYK1 P58681
Alternate Names	PRO285; TLR 7; Tlr7; TLR7_HUMAN ; Toll like receptor 7 ; Toll-like receptor 7; UNQ248.

Antibody Specification

Description	toll like receptor 7(TLR7) Homo sapiens 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. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Toll_Like,
Protein Expression	Placenta,Synovial membrane tissue,Testis,
Subcellular Localization	Golgi membrane,cytoplasm,lysosome,endosome,endoplasmic reticulum,endoplasmic reticulum membrane,plasma membrane,integral component of plasma membrane,endosome membrane,integral component of membrane,early phagosome,endolysosome
Protein Function	function:Participates in the innate immune response to microbial agents. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.,similarity:Belongs to the Toll-like receptor family.,similarity:Contains 1 TIR domain.,similarity:Contains 27 LRR (leucine-rich) repeats.,subunit:Binds MYD88 via their respective TIR domains.,tissue specificity:Detected in brain, placenta, spleen, stomach, small intestine, lung and in plasmacytoid pre-dendritic cells.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.