

Immunotag™ TLR1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITM3390
Product Description	Immunotag™ TLR1 Polyclonal Antibody
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	TLR1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p
Recommended Dilution	IHC: 1:200-500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Recombinant Protein of TLR1
Specificity	The antibody detects endogenous TLR1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Gene Name	TLR1
Accession No.	Q15399 Q9EPQ1
Alternate Names	TLR1; KIAA0012; Toll-like receptor 1; Toll/interleukin-1 receptor-like protein; TIL; CD281

Antibody Specification

Description	toll like receptor 1(TLR1) 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 ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Toll_Like,
Protein Expression	Bone marrow,Brain,Erythroleukemia,Liver,Lymph,PCR rescued clones,
Subcellular Localization	Golgi apparatus,plasma membrane,integral component of plasma membrane,membrane,integral component of membrane,phagocytic vesicle membrane,Toll-like receptor 1-Toll-like receptor 2 protein complex,membrane raft,
Protein Function	function:Participates in the innate immune response to microbial agents. Cooperates with TLR2 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. 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 8 LRR (leucine-rich) repeats.,subunit:Binds MYD88 (via TIR domain) (By similarity). Interacts (via extracellular domain) with TLR2. Ligand binding induces the formation of a heterodimer with TLR2.,tissue specificity:Ubiquitous. Highly expressed in spleen, ovary, peripheral blood leukocytes, thymus and small intestine.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.