

Product datasheet for TA336462

TLR2 Mouse Monoclonal Antibody [Clone ID: TL2.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	TL2.1
Applications:	FC
Recommend Dilution:	FC: 1-2 ug/10 - 6 cells, IF: 1:10-1:500, IHC-P: 1:10-1:500, IP: 2-5 ug
Reactivity:	Canine, Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunizing mice with CHO cells transfected with human TLR2 cDNA (Flo et al, 2000). The hybridoma supernatants were selected by flow cytometry.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	0.5 mg/ml
Purification:	Protein G purified
Gene Name:	toll like receptor 2
Database Link:	NP_003255 Entrez Gene 7097 Human
Background:	The Toll-like receptors (TLRs) in mammals comprise a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and an IL-1 receptor motif in the cytoplasmic domain. Like its counterparts in Drosophila, TLRs signal through adaptor molecules (1). The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition (2). Ten human homologs of TLRs (TLR1-10) have been described (3). TLR2 is differentially expressed in human cells. TLR2 is expressed in tonsils, lymph nodes, and appendices, activated B-cells in germinal centers. CD14+ monocytes expressed the highest level of TLR2 followed by CD15+ granulocytes, and CD19+ B-cells, CD3+ T-cells, and CD56+ NK cells did not express TLR2. The expression of TLR2 in different cell types is regulated by different immune response modifiers. For example, LPS, GM-CSF, IL-1, and IL-10 up regulates TLR2 whereas IL-4, IFN-gamma, and TNF down regulate TLR2 expression in monocytes (4).
Synonyms:	CD282; TIL4



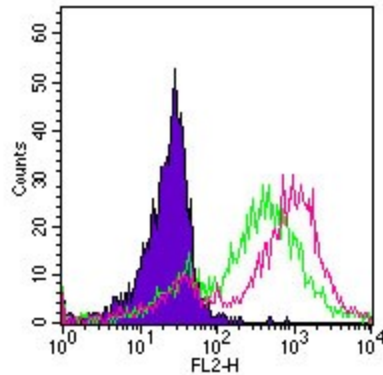
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Note: Immunocytochemistry/Immunofluorescence: please see Mempel et al. (2003) for details
Immunohistochemistry (paraffin): please see Faure et al. (2001) for details
Western Blot: please see Faure et al. (2001) for details

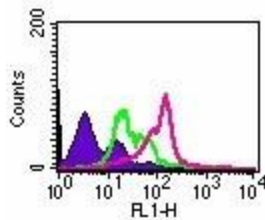
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Toll-like receptor signaling pathway

Product images:



Flow Cytometry: TLR2 Antibody (TL2.1) TA336462
- Cell surface flow analysis of TLR2 in 10^6 PBMCs using 1 μ g of this antibody. Shaded histogram represents cells without antibody; green represents isotype control; red represents anti-TLR2 antibody.



Flow Cytometry: TLR2 Antibody (TL2.1) TA336462
- Intracellular flow analysis of TLR2 in 1×10^6 PBMCs using 2 μ g of TA336462. Shaded histogram represents cells without antibody; green represents isotype control (Sigma, Cat. No. M5409); purple represents