

For Research Use Only

TLR4 Monoclonal ANTIBODY



Catalog Number: 66350-1-Ig **12 Publications**

Basic Information

Catalog Number: 66350-1-Ig	GenBank Accession Number: BC117422	Purification Method: Protein A purification
Size: 150UL, Concentration: 773 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7099	CloneNo.: 3G9A4
Source: Mouse	Full Name: toll-like receptor 4	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Isotype: IgG2b	Calculated MW: 839 aa, 96 kDa	
Immunogen Catalog Number: AG13857	Observed MW: 100-110 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB: RAW 264.7 cells, pig liver tissue, NIH/3T3 cells, rat liver tissue
Species Specificity: human, mouse, rat, pig	IHC: human tonsillitis tissue,
Cited Species: human, mouse, rat	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

TLR4, also named as CD284, belongs to the Toll-like receptor family. TLR4 interacts with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). TLR4 acts via MYD88, TIRAP and TRAF6, leading to NF-κB activation, cytokine secretion and the inflammatory response. Three alternatively spliced transcript variants that encode different protein isoforms have been described.

Notable Publications

Author	Pubmed ID	Journal	Application
Dongmei Wang	31461286	J Agric Food Chem	WB
Yang-Yang Xia	31695479	J Pain Res	WB
Kaile Zhang	32478052	Front Bioeng Biotechnol	WB

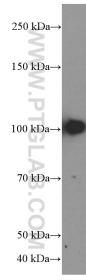
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

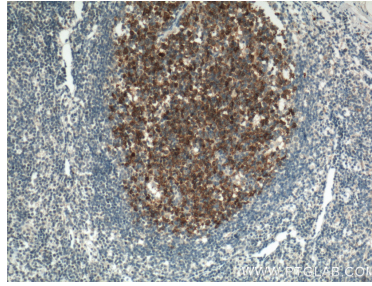
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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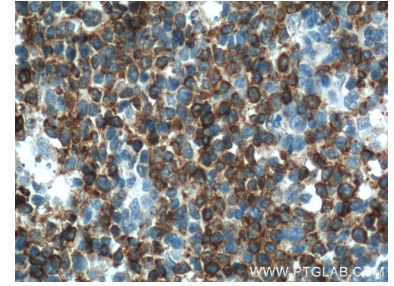
Selected Validation Data



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 66350-1-Ig (TLR4 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66350-1-Ig (TLR4 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66350-1-Ig (TLR4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).