

For Research Use Only

# TLR4 Monoclonal antibody, PBS Only

Catalog Number: 66350-1-PBS



## Basic Information

<b>Catalog Number:</b> 66350-1-PBS	<b>GenBank Accession Number:</b> BC117422	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7099	<b>CloneNo.:</b> 3G9A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O00206	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> toll-like receptor 4	
<b>Immunogen Catalog Number:</b> AG13857	<b>Calculated MW:</b> 839 aa, 96 kDa	
	<b>Observed MW:</b> 100-110 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
human, mouse, rat, pig

## 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- $\kappa$ B activation, cytokine secretion and the inflammatory response. Three alternatively spliced transcript variants that encode different protein isoforms have been described.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

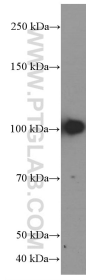
**Storage Buffer:**  
PBS only

Aliquoting is unnecessary for -20°C storage

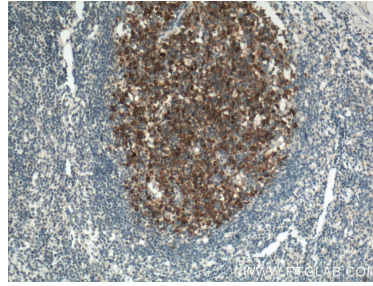
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

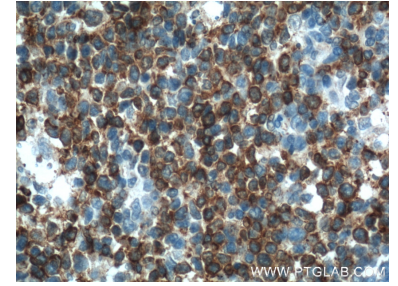
## Selected Validation Data



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. This data was developed using the same antibody clone with 66350-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66350-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66350-1-PBS in a different storage buffer formulation.