

For Research Use Only

TLR4 Monoclonal antibody

Catalog Number: 66350-1-Ig

Featured Product

230 Publications



Basic Information

Catalog Number:

66350-1-Ig

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG13857

GenBank Accession Number:

BC117422

GeneID (NCBI):

7099

UNIPROT ID:

O00206

Full Name:

toll-like receptor 4

Calculated MW:

839 aa, 96 kDa

Observed MW:

100-110 kDa

Purification Method:

Protein A purification

CloneNo.:

3G9A4

Recommended Dilutions:

WB: 1:1000-1:8000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse, rat, pig, rabbit, zebrafish, sheep

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

Positive Controls:

WB: RAW 264.7 cells, J774A.1 cells, NIH/3T3 cells, pig liver tissue, rat liver tissue

IHC: human tonsillitis tissue,

Background Information

TLR4, also named 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- κ B 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
Yanhui Zhu	36183949	J Ethnopharmacol	WB, IF
Kai Le	32944799	Inflamm Res	WB
Enkhmurun Chibaatar	32910356	J Mol Neurosci	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

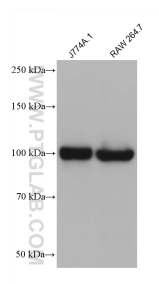
T: 4006900926

E: Proteintech-CN@ptglab.com

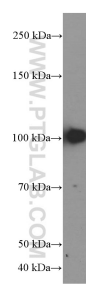
W: ptgcn.com

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

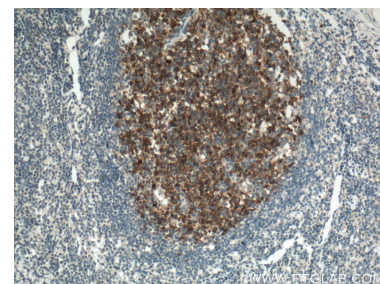
Selected Validation Data



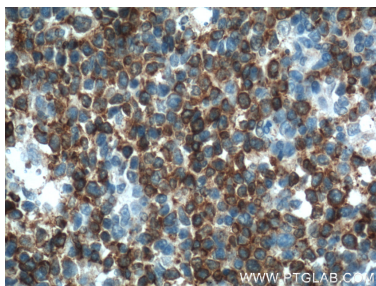
Various lysates were subjected to SDS PAGE followed by western blot with 66350-1-Ig (TLR4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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)).