

TLR4 Monoclonal antibody

Catalog Number: 66350-1-Ig

Featured Product

112 Publications

Basic Information

Catalog Number:

66350-1-Ig

Size:

1700 µg/ml

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:

IHC, WB, ELISA

Cited Applications:

WB, IP, IF, IHC, CoIP

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, rat, mouse, pig

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, pig liver tissue, NIH/3T3 cells, rat liver tissue

IHC : human tonsillitis tissue,

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
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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

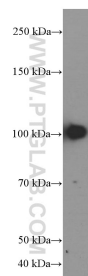
For technical support and original validation data for this product please contact:

T: 4006900926

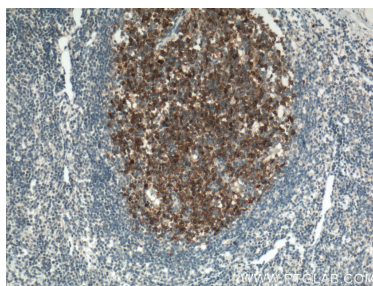
E: Proteintech-CN@ptglab.comW: ptgcn.com

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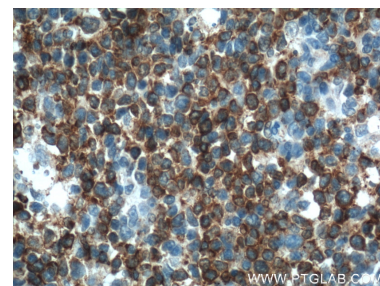
Selected Validation Data



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).