

For Research Use Only

TLR2 Monoclonal antibody, PBS Only



Catalog Number: 66645-1-PBS

Featured Product

Basic Information

Catalog Number:

66645-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG25626

GenBank Accession Number:

BC033756

GeneID (NCBI):

7097

UNIPROT ID:

O60603

Full Name:

toll-like receptor 2

Calculated MW:

784 aa, 90 kDa

Observed MW:

90-100 kDa

Purification Method:

Protein A purification

CloneNo.:

1C1D3

Applications

Tested Applications:

WB, IF, IHC, Indirect ELISA

Species Specificity:

Human

Background Information

TLR2, also known as CD282, is a member of the Toll-like receptor (TLR) family. TLR receptors are type I integral transmembrane glycoproteins which play a fundamental role in pathogen recognition and activation of innate immunity. TLR2 is expressed by immune cells including monocytes/macrophages, polymorphonuclear leukocytes (PMLs) and dendritic cells, and is also expressed by some non-immune cells including endothelial and epithelial cells (PMID: 21428911; 22566960). TLR2 forms heterodimers with TLR1 and TLR6, which is the initial step in a cascade of events leading to significant innate immune responses, development of adaptive immunity to pathogens and protection from immune sequelae related to infection with these pathogens (PMID: 22566960).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

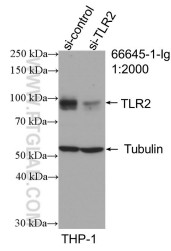
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

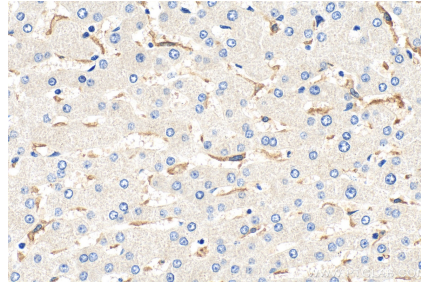
E: proteintech@ptglab.com
W: ptglab.com

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

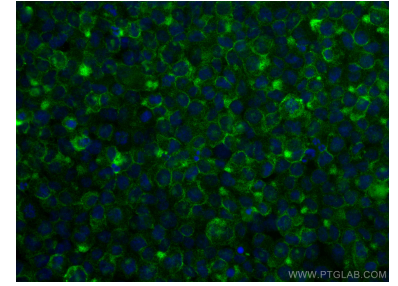
Selected Validation Data



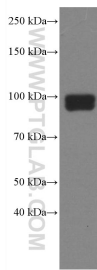
WB result of TLR2 antibody (66645-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TLR2 transfected THP-1 cells. This data was developed using the same antibody clone with 66645-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66645-1-Ig (TLR2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66645-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using TLR2 antibody (66645-1-Ig, Clone: 1C1D3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66645-1-PBS in a different storage buffer formulation.



THP-1 cells were subjected to SDS PAGE followed by western blot with 66645-1-Ig (TLR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66645-1-PBS in a different storage buffer formulation.