

For Research Use Only

TLR3/CD283 Recombinant monoclonal antibody

Catalog Number: 83136-3-RR

1 Publications



Basic Information

Catalog Number:

83136-3-RR

Concentration:

700 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34044

GenBank Accession Number:

BC094737

GeneID (NCBI):

7098

UNIPROT ID:

O15455

Full Name:

toll-like receptor 3

Calculated MW:

904 aa, 104 kDa

Observed MW:

120 kDa, 68 kDa

Purification Method:

Protein A purification

CloneNo.:

230445G4

Recommended Dilutions:

WB: 1:2000-1:14000

IHC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

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 : HT-29 cells, human placenta tissue

IHC : human ovarian cancer, human placenta tissue

Background Information

TLR3 belongs to the Toll-like receptor family which is important in the innate immune response to pathogens. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. TLR3 is a nucleotide-sensing TLR that is activated by double-stranded RNA. Upon recognition of dsRNA, TLR3 transmits signals via the adaptor protein TICAM-1/TRIF, leading to the induction of type I IFN, cytokine/chemokine production, and dendritic cell (DC) maturation (PMID: 18262679). Western detected full-length (120 kD) and cleaved (70 kDa) TLR3 (PMID: 28717003).

Notable Publications

Author	Pubmed ID	Journal	Application
Tamaki Suganuma	39465205	NAR Mol Med	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:

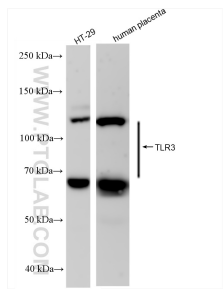
T: 4006900926

E: Proteintech-CN@ptglab.com

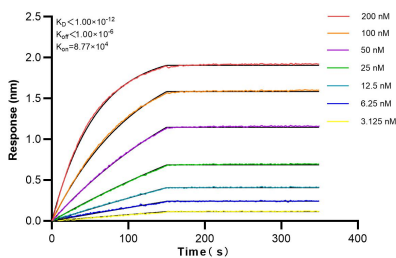
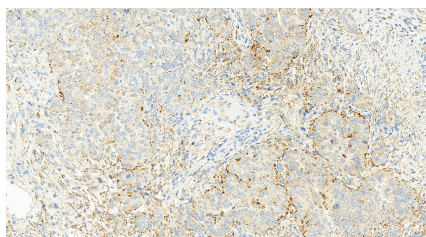
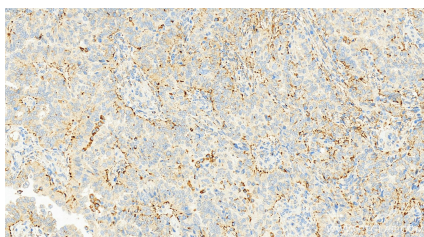
W: ptgcn.com

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Selected Validation Data



HT-29 cells were subjected to SDS PAGE followed by western blot with 83136-3-RR (TLR3 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83136-3-RR against Human TLR3 were performed. The affinity constant is below 1 pM.