

TLR8 Monoclonal antibody

Catalog Number: 67317-1-Ig

Basic Information

Catalog Number:

67317-1-Ig

Size:

700 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG16566

GenBank Accession Number:

BC101075

GeneID (NCBI):

51311

UNIPROT ID:

Q9NR97

Full Name:

toll-like receptor 8

Calculated MW:

1041 aa, 120 kDa

Observed MW:

120 kDa

Purification Method:

Protein G purification

CloneNo.:

3B6A4

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF-P 1:200-1:800

Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Species Specificity:

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 : Daudi cells, U-937 cells, K-562 cells, HL-60 cells

IHC : human tonsillitis tissue,

IF-P : human tonsillitis tissue,

Background Information

Toll-like receptors (TLRs) are a group of pathogen recognition receptors (PRRs) that can be divided into two subfamilies depending on their subcellular localization (PMID: 32268138). Toll-like receptor 8 (TLR8), a sensor for pathogen-derived single-stranded RNA (ssRNA), binds to uridine (Uri) and ssRNA to induce defense responses (PMID: 30535046). TLR8 proteins were expressed in spleen, epididymal sperm, testicular sperm cells, and Leydig cells but were weak in Sertoli cells. It can identify two isoforms, 120 and 122 kDa.

Storage

Storage:

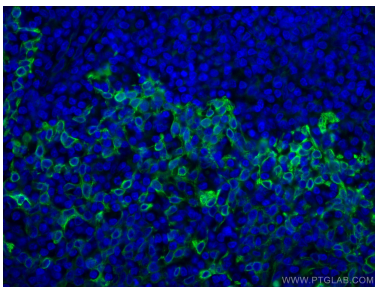
Store at -20°C.

Storage Buffer:

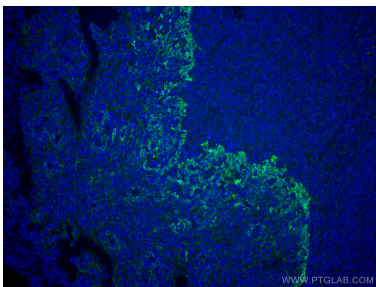
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

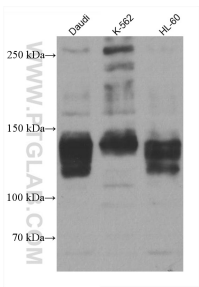
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using TLR8 antibody (67317-1-Ig, Clone: 3B6A4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



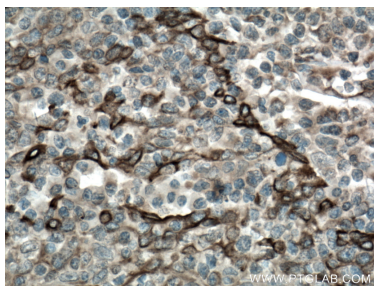
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Various lysates were subjected to SDS PAGE followed by western blot with 67317-1-Ig (TLR8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67317-1-Ig (TLR8 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 67317-1-Ig (TLR8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).