

TLR8 Monoclonal antibody, PBS Only

Catalog Number: 67317-1-PBS

Basic Information

Catalog Number:

67317-1-PBS

Size:

1 mg/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

Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

Human

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:

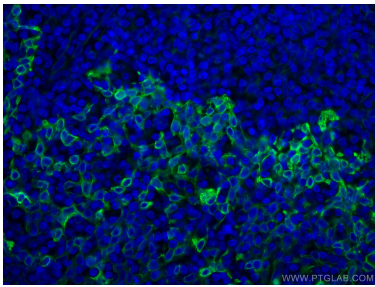
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

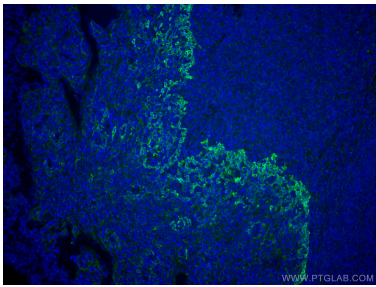
Storage Buffer:

PBS Only

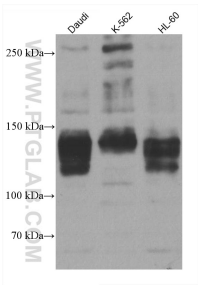
Selected Validation Data



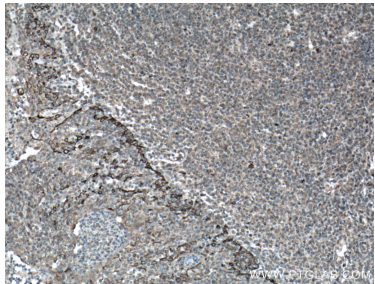
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using TLR8 antibody (67317-1-Ig, Clone: 3B6A4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67317-1-PBS in a different storage buffer formulation.



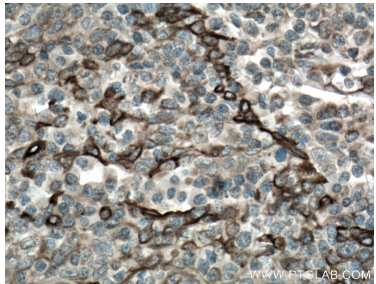
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Various lysates were subjected to SDS PAGE followed by western blot with 67317-1-Ig (TLR8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67317-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67317-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67317-1-PBS in a different storage buffer formulation.