

CoraLite® Plus 488-conjugated TLR8 Monoclonal antibody

Catalog Number: **CL488-67317**

Basic Information

Catalog Number:

CL488-67317

Size:

1000 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:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

Human

Positive Controls:

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:

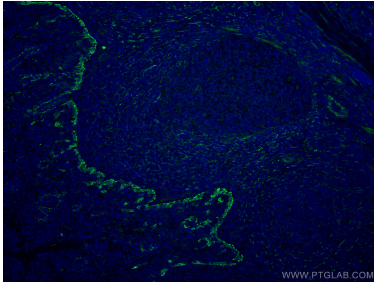
Store at -20°C. Avoid exposure to light.

Storage Buffer:

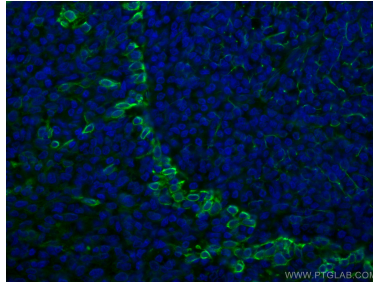
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 TLR8 antibody (CL488-67317, Clone: 3B6A4) at dilution of 1:200.



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