

For Research Use Only

# CoraLite® Plus 488-conjugated IgD Monoclonal antibody



Catalog Number: **CL488-67538**

## Basic Information

Catalog Number:

CL488-67538

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG9614

GenBank Accession Number:

BC021276

GeneID (NCBI):

3495

Full Name:

immunoglobulin heavy constant  
delta

Calculated MW:

573 aa, 63 kDa

Observed MW:

55-70 kDa

Purification Method:

Protein A purification

CloneNo.:

1D1B12

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

IgD is the major antigen receptor isotype on the surface of most peripheral B-cells. The function of IgD is to signal the B cells to be activated. The relative molecular mass and half-life of secreted IgD is 185 kDa and 2.8 days, respectively. Secreted IgD is produced as a monomeric antibody with two heavy chains of the delta (  $\delta$  ) class, and two Ig light chains. This antibody detects the heavy chain (55-70 kDa) of IgD and secreted IgD (185 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

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

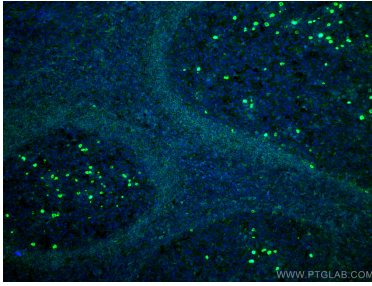
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Coralite® Plus 488 human IgD antibody (CL488-67538, Clone: 1D1B12) at dilution of 1:100.