

For Research Use Only

# CoraLite®594-conjugated IgD Monoclonal antibody

Catalog Number:CL594-67538



## Basic Information

<b>Catalog Number:</b> CL594-67538	<b>GenBank Accession Number:</b> BC021276	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3495	<b>CloneNo.:</b> 1D1B12
<b>Source:</b> Mouse	<b>Full Name:</b> immunoglobulin heavy constant delta	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 573 aa, 63 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG9614	<b>Observed MW:</b> 55-70 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P : human tonsillitis tissue,
<b>Species Specificity:</b> Human	

## 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) .

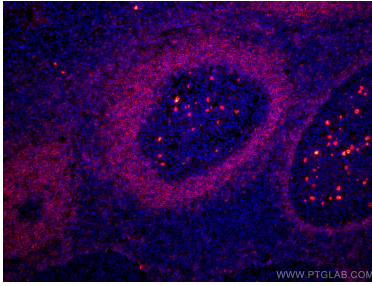
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**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:  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Coralite®594 human IgD antibody (CL594-67538, Clone: 1D1B12) at dilution of 1:100.