

For Research Use Only

# human IgD Polyclonal antibody

Catalog Number: 16489-1-AP



## Basic Information

<b>Catalog Number:</b> 16489-1-AP	<b>GenBank Accession Number:</b> BC021276	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3495	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:400-1:3200 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> immunoglobulin heavy constant delta	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 573 aa, 63 kDa	
<b>Immunogen Catalog Number:</b> AG9614	<b>Observed MW:</b> 55-70 kDa	

## Applications

### Tested Applications:

WB, IF, IHC, 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 : human plasma tissue,

IHC : human tonsillitis tissue,

IF : human tonsillitis tissue,

## Background Information

IgD is the major antigen receptor isotype on the surface of most peripheral B-cells, where it is coexpressed with IgM. The membrane-bound IgD (mIgD) induces the phosphorylation of CD79A and CD79B by the Src family of protein tyrosine kinases. This antibody recognizes the heavy chain (~70 kDa) of IgD.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

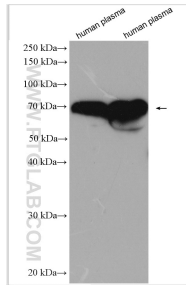
For technical support and original validation data for this product please contact:

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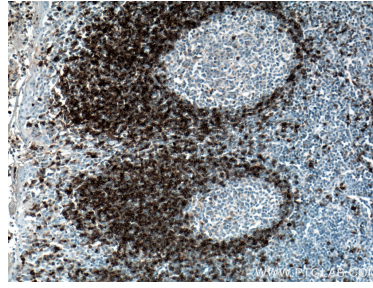
E: proteintech@ptglab.com  
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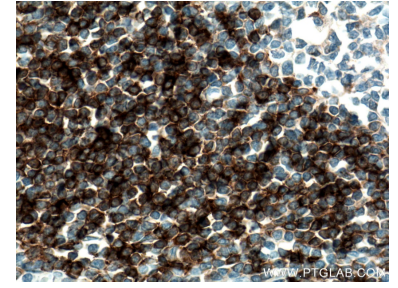
## Selected Validation Data



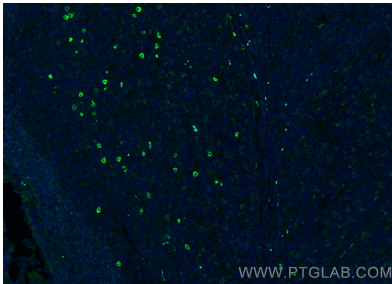
human plasma tissue were subjected to SDS PAGE followed by western blot with 16489-1-AP (human IgD antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16489-1-AP (human IgD antibody) at dilution of 1:1600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16489-1-AP (human IgD antibody) at dilution of 1:1600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using human IgD antibody (16489-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).