

For Research Use Only

human IgD Monoclonal antibody, PBS Only

Catalog Number: 67538-1-PBS



Basic Information

Catalog Number: 67538-1-PBS	GenBank Accession Number: BC021276	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3495	CloneNo.: 1D1B12
Source: Mouse	Full Name: immunoglobulin heavy constant delta	
Isotype: IgG2a	Calculated MW: 573 aa, 63 kDa	
Immunogen Catalog Number: AG9614	Observed MW: 55-70 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

Species Specificity:
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 (δ) class, and two Ig light chains. This antibody detects the heavy chain (55-70 kDa) of IgD and secreted IgD (185 kDa) .

Storage

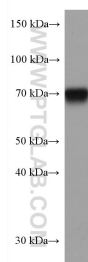
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

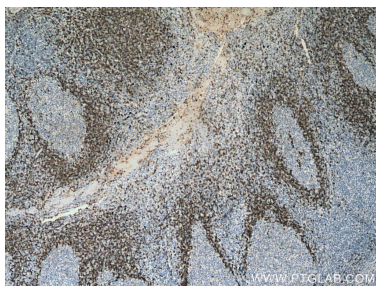
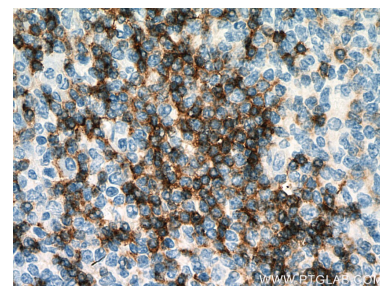
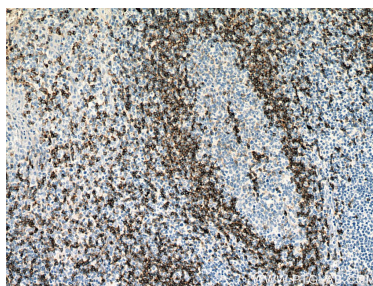
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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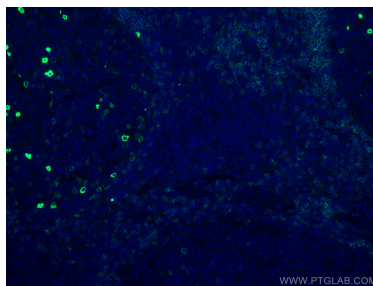
Selected Validation Data



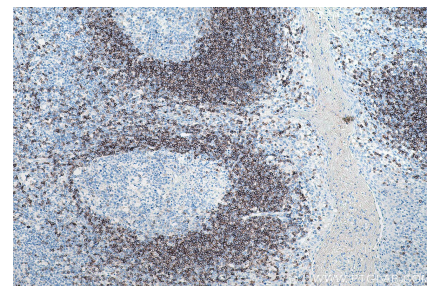
human plasma (0.1 μ l) were subjected to SDS PAGE followed by western blot with 67538-1-Ig (human IgD antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67538-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67538-1-Ig (human IgD antibody) at dilution of 1:20000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67538-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IGHD antibody (67538-1-Ig, Clone: 1D1B12) 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 67538-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67538-1-Ig (human IgD antibody) at dilution of 1:40000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67538-1-PBS in a different storage buffer formulation.