

For Research Use Only

human IgD Polyclonal antibody

Catalog Number: 16489-1-AP

1 Publications



Basic Information

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

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB	WB : human plasma tissue,
Species Specificity: human	IHC : human tonsillitis tissue,
	IF-P : human tonsillitis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 recognize the heavy chain (~70 kDa) of IgD.

Notable Publications

Author	Pubmed ID	Journal	Application
Timothy J Smith	38715362	Mol Ther	WB

Storage

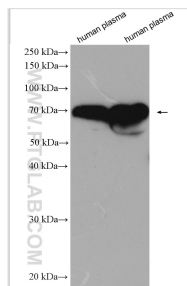
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

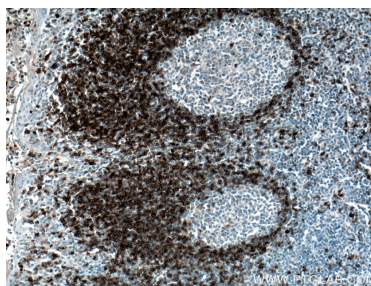
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

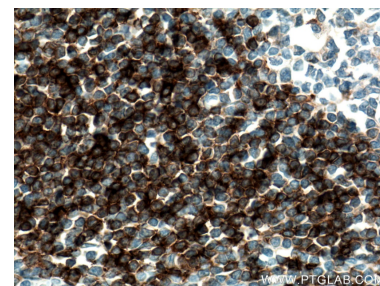
Selected Validation Data



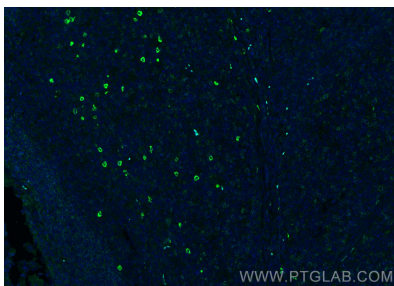
human plasma tissue were subjected to SDS PAGE followed by western blot with 16489-1-AP (human IgD antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).