

For Research Use Only

Human IgG4 Monoclonal antibody

Catalog Number: 66408-1-Ig **1 Publications**



Basic Information

Catalog Number: 66408-1-Ig	GenBank Accession Number: AL928742	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3503	CloneNo.: 1A1A2
Source: Mouse	Full Name: immunoglobulin heavy constant gamma 4 (G4m marker)	Recommended Dilutions: WB 1:20000-1:100000 IHC 1:2500-1:10000 IF-P 1:200-1:800
Isotype: IgG1	Calculated MW: 55 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: IF	WB : human plasma tissue, human heart tissue, human skeletal muscle tissue
Species Specificity: human	IHC : 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	IF-P : human appendicitis tissue,

Background Information

This antibody detects the heavy chain of human IgG4. The immunogen of this antibody is the specific domain "NKGLPSSIEK" of IGHG4.

Notable Publications

Author	Pubmed ID	Journal	Application
Xi E Hu	36998014	Breast Cancer Res	IF

Storage

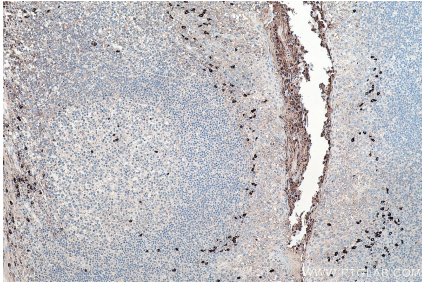
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

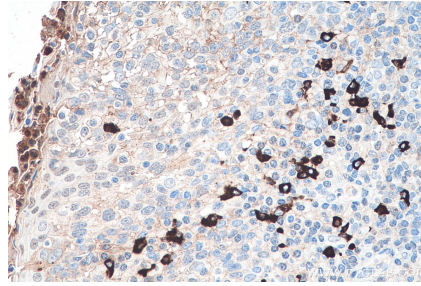
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

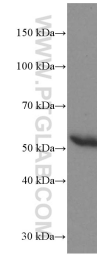
Selected Validation Data



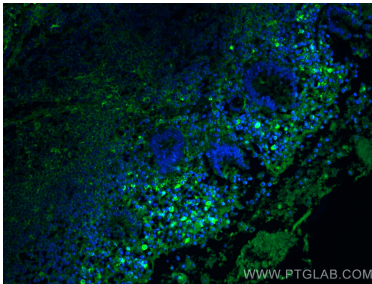
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66408-1-Ig (Human IgG4 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66408-1-Ig (Human IgG4 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human plasma (0.4 nL) were subjected to SDS PAGE followed by western blot with 66408-1-Ig (human IgG4 Antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using Human IgG4 antibody (66408-1-Ig, Clone: 1A1A2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).