

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
Concentration: 1000 ug/ml	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, IF-P : human appendicitis 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

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

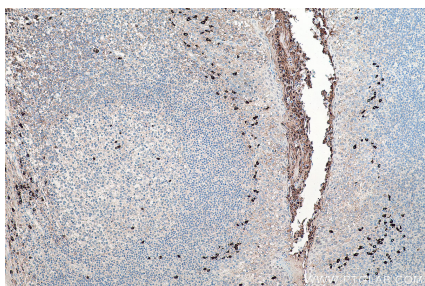
T: 4006900926

E: Proteintech-CN@ptglab.com

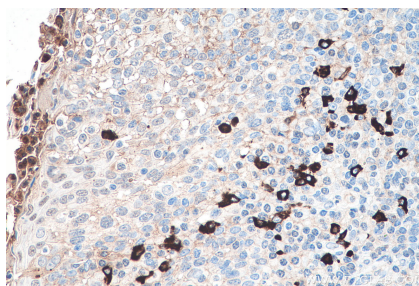
W: ptgcn.com

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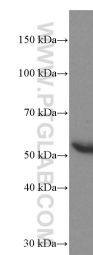
Selected Validation Data



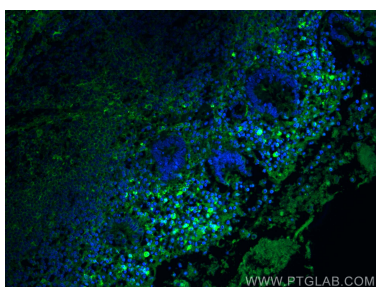
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66408-1-Ig (Human IgG4 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure Goat Anti-Mouse IgG(H+L).