

For Research Use Only

# Human IgG4 Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 66408-1-Ig	<b>GenBank Accession Number:</b> AL928742	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3503	<b>CloneNo.:</b> 1A1A2
<b>Source:</b> Mouse	<b>Full Name:</b> immunoglobulin heavy constant gamma 4 (G4m marker)	<b>Recommended Dilutions:</b> WB 1:20000-1:100000 IHC 1:2500-1:10000 IF-P 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 55 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Cited Applications:

IF

### 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, human heart tissue, human skeletal muscle tissue

IHC : human tonsillitis tissue,

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

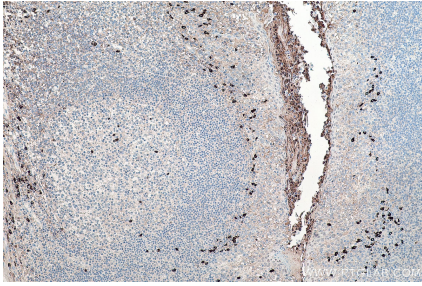
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

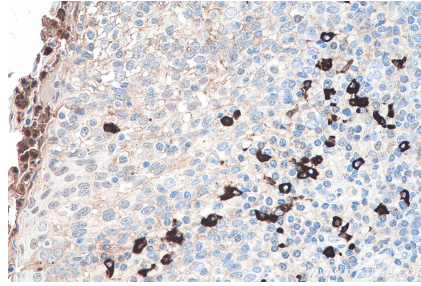
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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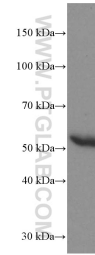
## Selected Validation Data



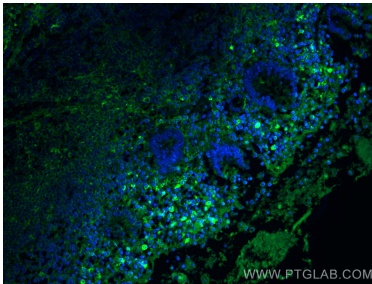
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66408-1-Ig (Human IgG4 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 Goat Anti-Mouse IgG(H+L).