

For Research Use Only

# Human IgG4 Monoclonal antibody, PBS Only



Catalog Number: 66408-1-PBS

## Basic Information

<b>Catalog Number:</b> 66408-1-PBS	<b>GenBank Accession Number:</b> AL928742	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<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>Isotype:</b> IgG1	<b>Calculated MW:</b> 55 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
WB, IF, IHC, ELISA

**Species Specificity:**  
human

## Background Information

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

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

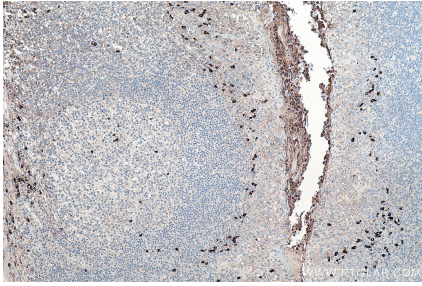
For technical support and original validation data for this product please contact:

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

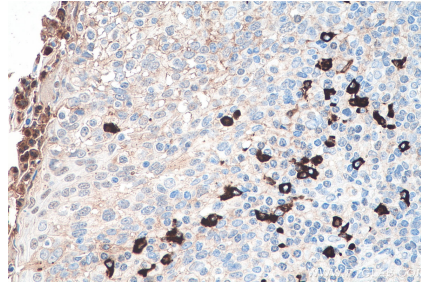
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

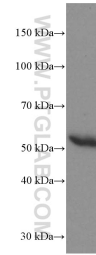
## Selected Validation Data



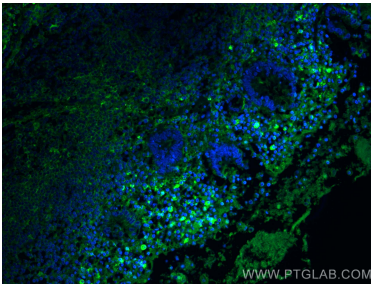
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66408-1-Ig (Human IgG4 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66408-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66408-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66408-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66408-1-PBS in a different storage buffer formulation.