

For Research Use Only

# Human IgA Monoclonal antibody

Catalog Number: 60099-1-Ig **4 Publications**



## Basic Information

<b>Catalog Number:</b> 60099-1-Ig	<b>GenBank Accession Number:</b> BC016369	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3493	<b>CloneNo.:</b> 3A5A5
<b>Source:</b> Mouse	<b>Full Name:</b> immunoglobulin heavy constant alpha 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:160000-1:640000 IF-P 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 496 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG7417	<b>Observed MW:</b> 55-60 kDa	

## Applications

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

## Background Information

Ig alpha is the major immunoglobulin class in body secretions. It may serve both to defend against local infection and to prevent access of foreign antigens to the general immunologic system. This antibody recognizes the Chain C region of human Ig alpha-1 (IGHA1).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhipeng Li	30670042	J Nanobiotechnology	
Felix Marsh-Wakefield	39761010	Hepatol Commun	
Wu Gu	39248343	Adv Sci (Weinh)	

## Storage

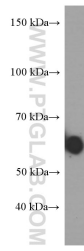
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

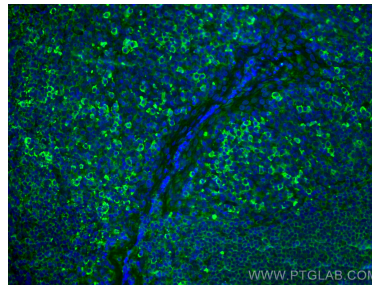
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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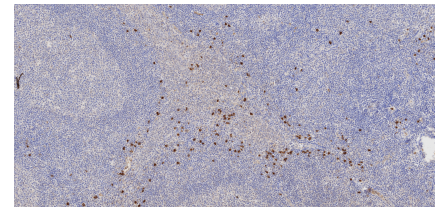
## Selected Validation Data



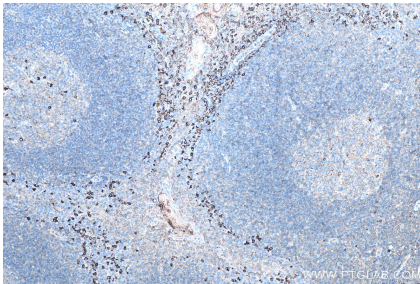
human saliva were subjected to SDS PAGE followed by western blot with 60099-1-Ig (Human IgA Antibody) at dilution of 1:16000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Human IgA antibody (60099-1-Ig, Clone: 3A5A5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60099-1-Ig (Human IgA antibody) at dilution of 1:50000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60099-1-Ig (Human IgA antibody) at dilution of 1:320000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).