

For Research Use Only

# IDO1 Monoclonal antibody, PBS Only

Catalog Number: 66528-1-PBS



## Basic Information

<b>Catalog Number:</b> 66528-1-PBS	<b>GenBank Accession Number:</b> BC027882	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3620	<b>CloneNo.:</b> 3G2G11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P14902	
<b>Isotype:</b> IgG1	<b>Full Name:</b> indoleamine 2,3-dioxygenase 1	
<b>Immunogen Catalog Number:</b> AG3953	<b>Calculated MW:</b> 403 aa, 45 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

IDO1 is the target for therapy in a range of clinical settings, including cancer, chronic infections, autoimmune and allergic syndromes, and transplantation. Elevated IDO1 expression is a hallmark of major viral infections including HIV, HBV, HCV or influenza and also of major bacteria infections, such as Tb, CAP, listeriosis and sepsis. Pathogens are able to hijack the immunosuppressive effects of IDO1 and make use of them to facilitate their own life cycle. MW of IDO1 is 40-42kd (PMID: 14502282; 17055065).

## Storage

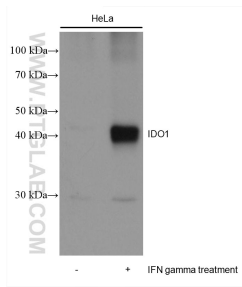
**Storage:**  
Store at -80°C.

**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)  
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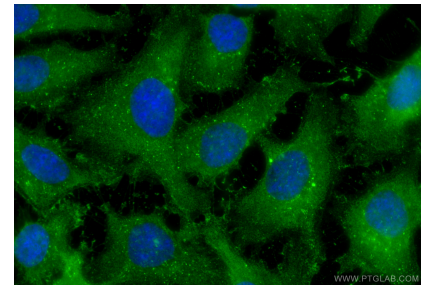
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66528-1-Ig (IDO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66528-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66528-1-Ig (IDO1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66528-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SKOV-3 cells using IDO1 antibody (66528-1-Ig, Clone: 3G2G11) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 66528-1-PBS in a different storage buffer formulation.