

For Research Use Only

# SEMA7A Monoclonal antibody, PBS Only



Catalog Number: 67397-1-PBS

## Basic Information

<b>Catalog Number:</b> 67397-1-PBS	<b>GenBank Accession Number:</b> BC101643	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8482	<b>CloneNo.:</b> 3A5G1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75326	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)	
<b>Immunogen Catalog Number:</b> AG28804	<b>Calculated MW:</b> 666 aa, 75 kDa	
	<b>Observed MW:</b> 75-80 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human

## Background Information

SEMA7A, also named CD108 and SEMAL, belongs to the semaphorin family. SEMA7A is the only membrane-associated glycosylphosphatidylinositol (GPI)-linked semaphorin and plays a role in the regulation of neuronal axon outgrowth. In addition to its role in guiding axon pathfinding during neuronal development, Sema7A has diverse functions in morphogenesis and immune cell control and regulates T cell responses via the  $\alpha 1\beta 1$  integrin receptor (PMID: 31179640). SEMA7A has 2 isoforms with molecular weights of 73 and 75 kDa, respectively.

## Storage

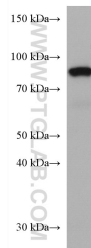
**Storage:**  
Store at -80°C.

**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



human red blood cells were subjected to SDS PAGE followed by western blot with 67397-1-Ig (SEMA7A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67397-1-PBS in a different storage buffer formulation.