

For Research Use Only

# TIM3 Monoclonal antibody, PBS Only

Catalog Number: 60355-1-PBS



## Basic Information

<b>Catalog Number:</b> 60355-1-PBS	<b>GenBank Accession Number:</b> BC020843	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 84868	<b>CloneNo.:</b> 4C4G3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8TDQ0	
<b>Isotype:</b> IgG1	<b>Full Name:</b> hepatitis A virus cellular receptor 2	
<b>Immunogen Catalog Number:</b> AG16901	<b>Calculated MW:</b> 301 aa, 33 kDa	
	<b>Observed MW:</b> 33 kDa, 50-70 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

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

## Background Information

TIM3, also known as HAVCR2, is a member of the recently discovered T cell Ig and mucin domain-containing molecule superfamily. TIM3 is a negative regulatory molecule that is important for T cell tolerance and has a crucial role in autoimmunity and T cell exhaustion during chronic viral infection (PMID: 23180819). TIM3 is expressed by T-helper type 1 (Th1) cells, macrophage, monocyte, dendritic cells, CD8+ T cell and other lymphocyte subsets. Galectin-9 is a ligand for TIM3. TIM3-galectin-9 pathway negatively regulates T helper type 1 immunity (PMID: 16286920). TIM3 is a 280-aa membrane protein with a calculated molecular weight of 33 kDa, the higher molecular weights between 50 and 70 kDa detected by this monoclonal antibody probably represent glycosylated TIM3 (PMID: 20107545; 17069754; 11725301).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

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

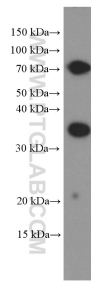
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Daudi cells were subjected to SDS PAGE followed by western blot with 60355-1-Ig (TIM3 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60355-1-PBS in a different storage buffer formulation.