

For Research Use Only

TIM3 Monoclonal antibody, PBS Only

Catalog Number:60355-1-PBS



Basic Information

Catalog Number: 60355-1-PBS	GenBank Accession Number: BC020843	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 84868	CloneNo.: 4C4G3
Source: Mouse	UNIPROT ID: Q8TDQ0	
Isotype: IgG1	Full Name: hepatitis A virus cellular receptor 2	
Immunogen Catalog Number: AG16901	Calculated MW: 301 aa, 33 kDa	
	Observed MW: 33 kDa, 50-70 kDa	

Applications

Tested Applications:
WB, IF-P, ELISA

Species Specificity:
human, mouse, rat, pig

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

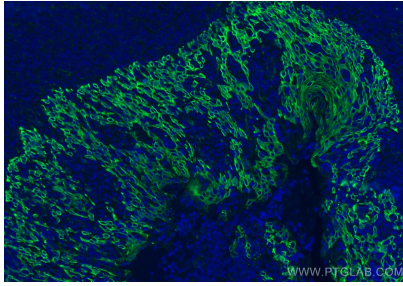
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

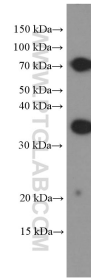
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using TIM3 antibody (60355-1-Ig, Clone: 4C4G3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60355-1-PBS in a different storage buffer formulation.



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.