

For Research Use Only

TIM3 Monoclonal antibody

Catalog Number: 60355-1-Ig **20 Publications**



Basic Information

Catalog Number: 60355-1-Ig	GenBank Accession Number: BC020843	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 84868	CloneNo.: 4C4G3
Source: Mouse	UNIPROT ID: Q8TDQ0	Recommended Dilutions: WB 1:1000-1:10000 IF-P 1:200-1:800
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	Positive Controls:
Cited Applications: WB, IF	WB: Daudi cells, PC-3 cells, pig thymus tissue, ROS1728 cells, human heart tissue, RAW 264.7 cells, rat heart tissue
Species Specificity: human, mouse, rat, pig	IF-P: human tonsillitis tissue,
Cited Species: 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Qing Guo	36325060	iScience	WB
Fan Wu	32418210	J Pathol	
Inés Ruedas-Torres	34046040	Front Immunol	

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

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

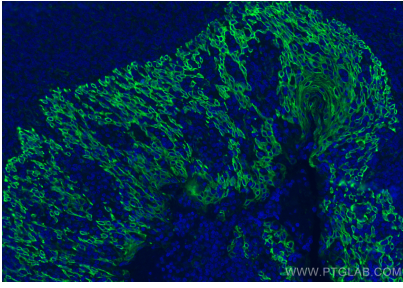
T: 4006900926

E: Proteintech-CN@ptglab.com

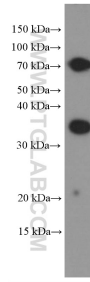
W: ptgcn.com

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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).



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.