For Research Use Only

TIM3 Monoclonal antibody

Catalog Number:60355-1-Ig 17 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
60355-1-Ig

Size:
150ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG16901

GenBank Accession Number:
BC020843

GeneID (NCBI):
84868

UNIPROT ID:
Q8TDQ0

Full Name:
hepatitis A virus cellular receptor 2

Calculated MW:
301 aa, 33 kDa

Observed MW:
33 kDa, 50-70 kDa

Purification Method:
Protein A purification

CloneNo.:
4C4G3

Recommended Dilutions:
WB 1:1000-1:10000

Applications

Tested Applications:
FC, WB, ELISA

Cited Applications:
WB,IHC,IF,FC

Species Specificity:
human, pig, mouse, rat

Cited Species:
human, mouse, pig

Positive Controls:

WB : Daudi cells, PC-3 cells, pig thymus tissue, ROS1728 cells, human heart tissue, RAW 264.7 cells, rat heart tissue

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

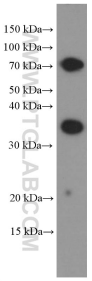
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

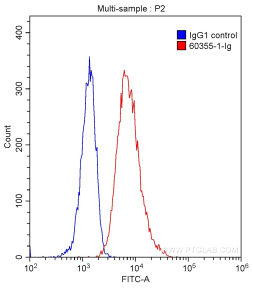
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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.



1X10^6 Daudi cells were stained with 0.20 ug Anti-Human TIM3 (60355-1-Ig, Clone: 4C4G3) (red) or 0.20 ug isotype control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Cells were fixed with 90% MeOH.