For Research Use Only

TIM-1 Recombinant antibody, PBS Only

Catalog Number:84600-5-PBS

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Basic Information

Catalog Number:
84600-5-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001173393.3

GeneID (NCBI):
26762

UNIPROT ID:
Q96D42

Full Name:
hepatitis A virus cellular receptor 1

Calculated MW:
39kDa

Observed MW:
100 kDa

Purification Method:
Protein A purfication

CloneNo.:
242001D1

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

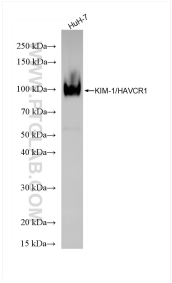
TIM-1, also known as kidney injury molecule (KIM-1), was first identified as a marker of acute kidney injury. TIM-1 mRNA and protein dramatically increase after ischemic kidney injury while there are low levels in normal kidneys. In addition, TIM-1 is expressed on CD4+ T cells after activation and its expression was sustained preferentially in Th2 but not Th1 cells. However, TIM-1 is expressed on both Th1 and Th2 cells and TIM-1 blockade prolongs survival of fully MHC-mismatched cardiac transplants. TIM-4, expressed by macrophages, is the ligand for TIM-1, and TIM-1 - TIM-4 interactions regulate Th cell responses and modulate Th1/Th2 cytokine balance. Moreover, TIM-1 can regulate macrophage activation and alter the co-stimulatory properties of macrophages. (PMID: 20091883)

Storage

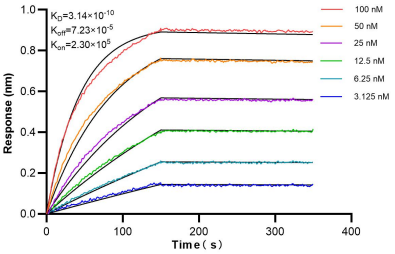
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

Selected Validation Data



HuH-7 cells were subjected to SDS PAGE followed by western blot with 84600-5-RR (TIM-1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84600-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84600-5-RR against Human TIM-1 were performed. The affinity constant is 0.314 nM.