

For Research Use Only

KIM-1/HAVCR1 Recombinant antibody

Catalog Number: 83221-2-RR



Basic Information

Catalog Number: 83221-2-RR	GenBank Accession Number: NM_173149.2	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 286934	CloneNo.: 230528C5
Source: Rabbit	UNIPROT ID: O54947	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: hepatitis A virus cellular receptor 1	
	Calculated MW: 34 kDa	
	Observed MW: 72 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse kidney tissue, HepG2 cells
Species Specificity: Rat, Mouse, Human	

Background Information

Kidney injury molecule 1 (KIM-1), also known as Hepatitis A virus cellular receptor 1 (HAVCR1), CD365, or T-cell immunoglobulin and mucin domain 1 (TIM-1), is a class I integral membrane glycoprotein, with an ectodomain containing Ig-like domain and a mucin domain. KIM-1 acts as a membrane receptor for hepatitis A virus (HAV) (PMID: 9658108; 8861957). KIM-1 provides a costimulatory signal for T cell activation and inhibits the development of peripheral tolerance (PMID: 16284246; 15793575). KIM-1 may be involved in the regulation of asthma and allergic diseases (PMID: 14534576). It has been reported that KIM-1 is shed into urine after acute kidney damage and is a marker of renal tubular injury (PMID: 14600030).

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

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

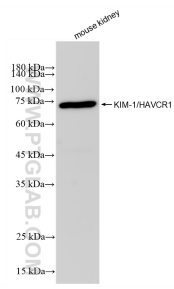
T: 4006900926

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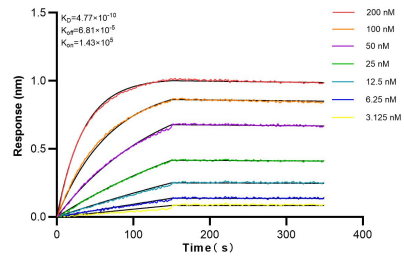
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Selected Validation Data



Mouse kidney tissue was subjected to SDS PAGE followed by western blot with 83221-2-RR (HAVCR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83221-2-RR against Rat HAVCR1 were performed. The affinity constant is 0.477 nM.