

For Research Use Only

Anti-Human KIM-1/HAVCR1 Rabbit Recombinant Antibody

Catalog Number: 98238-1-RR



Basic Information

Catalog Number: 98238-1-RR	GenBank Accession Number: NM_001173393.3	Purification Method: Protein A purification
Size: 100ug, 1000 ug/ml	GeneID (NCBI): 26762	CloneNo.: 242001E8
Source: Rabbit	UNIPROT ID: Q96D42	
Isotype: IgG	Full Name: hepatitis A virus cellular receptor 1	
	Calculated MW: 39kDa	

Applications

Tested Applications:
FC

Species Specificity:
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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

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

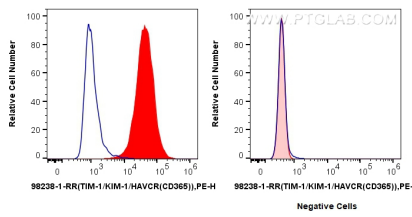
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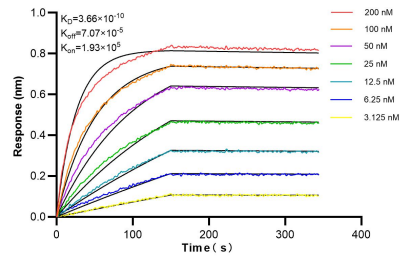
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Selected Validation Data



1×10^6 HuH-7 cells (left) or 293-T cells (right) were surface stained with 0.25 μ g Anti-Human KIM-1/HAVCR1 Rabbit Recombinant Antibody (98238-1-RR, Clone: 242001E8) (red) or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98238-1-RR against Human KIM-1/HAVCR1 were performed. The affinity constant is 0.366 nM.