

For Research Use Only

Anti-Human CD155/PVR Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98186-1-PBS



Basic Information

Catalog Number: 98186-1-PBS	GenBank Accession Number: BC015542	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 5817	CloneNo.: 241405G8
Source: Rabbit	UNIPROT ID: P15151	
Isotype: IgG	Full Name: poliovirus receptor	
	Calculated MW: 45 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

CD155, also known as PVR, is a type I transmembrane glycoprotein in the immunoglobulin superfamily. It contains three extracellular immunoglobulin-like domains, D1-D3, of which D1 is recognized by the virus. Mature human CD155 consists of a 323 amino acid extracellular domain with one N-terminal V-type and two C2-type Ig-like domains, a 24 amino acid transmembrane segment, and a 50 amino acid cytoplasmic tail. CD155 is thought to play a role in adhesion by interaction with the ECM component vitronectin as well as a role in NK killing of tumor cells. CD155 binds to two receptors of NK cells, CD96 and CD226, and accumulates at cell-cell contact sites, leading to the formation of mature immune synapses between NK cells and target cells. CD155 serves as the entry receptor for poliovirus and thereby mediates human susceptibility to poliovirus infection.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

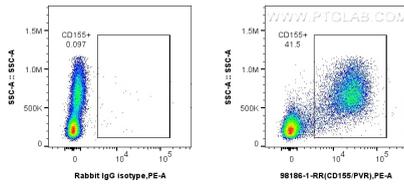
T: 4006900926

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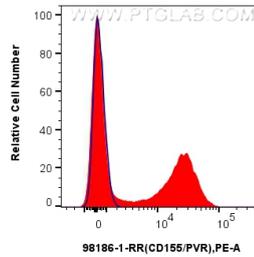
W: ptgcn.com

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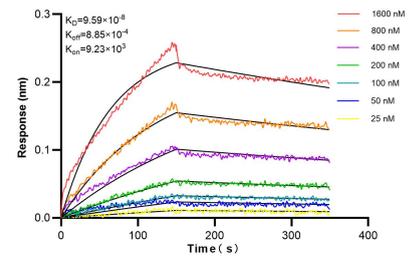
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD155/PVR Rabbit Recombinant Antibody (98186-1-RR, Clone: 241405G8) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98186-1-PBS in a different storage buffer formulation.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD155/PVR Rabbit Recombinant Antibody (98186-1-RR, Clone: 241405G8) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98186-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 98186-1-RR against Human CD155/PVR were performed. The affinity constant is 95.9 nM.