

For Research Use Only

# CD155/PVR Monoclonal antibody, PBS Only



Catalog Number: 66913-1-PBS

## Basic Information

<b>Catalog Number:</b> 66913-1-PBS	<b>GenBank Accession Number:</b> BC015542	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 5817	<b>CloneNo.:</b> 1F12A1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P15151	
<b>Isotype:</b> IgG1	<b>Full Name:</b> poliovirus receptor	
<b>Immunogen Catalog Number:</b> AG28303	<b>Calculated MW:</b> 45 kDa	
	<b>Observed MW:</b> 60-70 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**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:

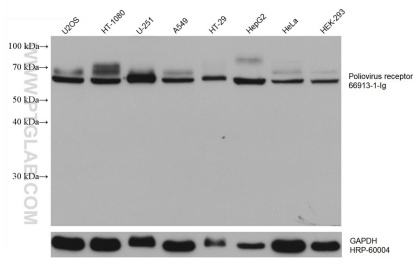
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66913-1-Ig (CD155/PVR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66913-1-PBS in a different storage buffer formulation.