

For Research Use Only

CD155/PVR Monoclonal antibody

Catalog Number: 66913-1-Ig **1 Publications**



Basic Information

Catalog Number: 66913-1-Ig	GenBank Accession Number: BC015542	Purification Method: Protein A purification
Size: 150ul , Concentration: 2300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5817	CloneNo.: 1F12A1
Source: Mouse	UNIPROT ID: P15151	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG1	Full Name: poliovirus receptor	
Immunogen Catalog Number: AG28303	Calculated MW: 45 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U2OS cells, K-562 cells, HT-1080 cells, U-251 cells, A549 cells, HT-29 cells, HepG2 cells, HeLa cells, HEK-293 cells
Cited Applications: ELISA	
Species Specificity: Human	
Cited Species: 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Keiichi Takizawa	36439984	iScience	ELISA

Storage

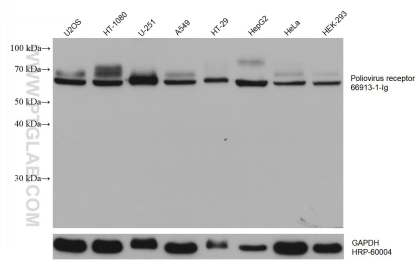
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.