

CD155/PVR Monoclonal antibody

Catalog Number: 66913-1-Ig 1 Publications

Basic Information

Catalog Number:

66913-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28303

GenBank Accession Number:

BC015542

GeneID (NCBI):

5817

UNIPROT ID:

P15151

Full Name:

poliovirus receptor

Calculated MW:

45 kDa

Observed MW:

60-70 kDa

Purification Method:

Protein A purification

CloneNo.:

1F12A1

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

ELISA

Species Specificity:

Human

Cited Species:

human

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

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

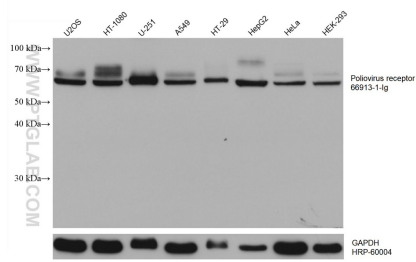
For technical support and original validation data for this product please contact:

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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.