

For Research Use Only

CD155/PVR Polyclonal antibody

Catalog Number: 31447-1-AP

1 Publications



Basic Information

Catalog Number:

31447-1-AP

Concentration:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_027514.2

GeneID (NCBI):

52118

UNIPROT ID:

Q8K094

Full Name:

poliovirus receptor

Calculated MW:

45 kDa

Observed MW:

75-85 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

mouse

Cited Species:

human, mouse

Positive Controls:

WB : RAW 264.7 cells, mouse liver tissue, mouse small intestine tissue

IF/ICC : RAW 264.7 cells,

Background Information

CD155, also known as the poliovirus receptor (PVR) or Nectin-5, is one of the nectin-like family members, belonging to the Ca²⁺ independent immunoglobulin superfamily (IgSF) in cell adhesion molecules (PMID: 37660884). CD155 is a type I transmembrane protein composed of three extracellular immunoglobulin-like domains, a transmembrane domain, and a cytoplasmic tail. It is involved in cell-to-cell and cell-to-ECM adhesion (PMID: 32019260; 11437656). CD155 acts as a ligand for immune receptors, including TIGIT, CD96 and CD226, which are expressed on T cells and NK cells. CD155 interacts with these receptors to modulate immune responses, such as T cell activation and NK cell-mediated cytotoxicity (PMID: 37660884). CD155 serves as the entry receptor for poliovirus and thereby mediates susceptibility to poliovirus infection (PMID: 15034010).

Notable Publications

Author	Pubmed ID	Journal	Application
Jiaojiao Yu	39525583	Acta Pharm Sin B	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

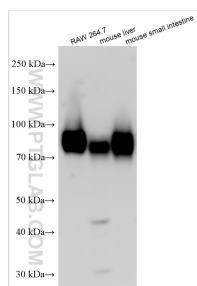
T: 4006900926

E: Proteintech-CN@ptglab.com

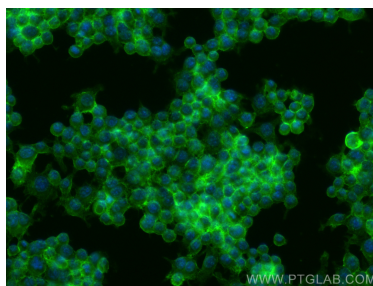
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31447-1-AP (CD155/PVR antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using CD155/PVR antibody (31447-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).