

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD155/PVR Rabbit Recombinant Antibody

Catalog Number: CL647-98077



## Basic Information

Catalog Number:

CL647-98077

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0903

GenBank Accession Number:

NM\_027514.2

GeneID (NCBI):

52118

UNIPROT ID:

Q8K094

Full Name:

poliovirus receptor

Calculated MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

240731B1

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse thymocytes,

## Background Information

CD155, also known as the poliovirus receptor (PVR) or Nectin-5, is one of the nectin-like family members, belonging to the Ca<sup>2+</sup> 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).

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

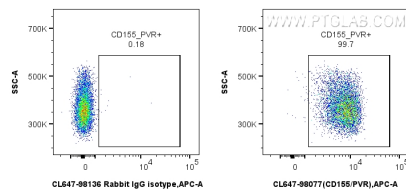
T: 4006900926

E: Proteintech-CN@ptglab.com

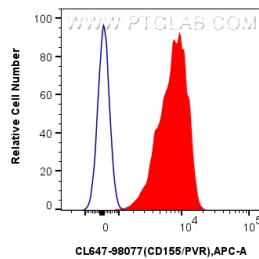
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> mouse thymocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD155/PVR Rabbit RecAb (CL647-98077, Clone: 240731B1) or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse thymocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD155/PVR Rabbit RecAb (CL647-98077, Clone: 240731B1) (red) or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.