

For Research Use Only

Anti-Mouse CD155/PVR Rabbit Recombinant Antibody

Catalog Number: 98077-1-RR



Basic Information

Catalog Number:

98077-1-RR

Concentration:

100ug, 1000 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

Purification Method:

Protein A purification

CloneNo.:

240731B1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 μ l suspension

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse thymocytes,

Background Information

CD155, also known as the poliovirus receptor (PVR) or Necl-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).

Storage

Storage:

Store at 2 - 8°C. 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:

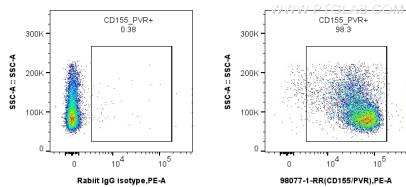
T: 4006900926

E: Proteintech-CN@ptglab.com

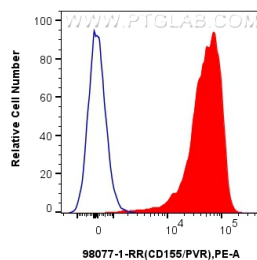
W: ptgcn.com

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

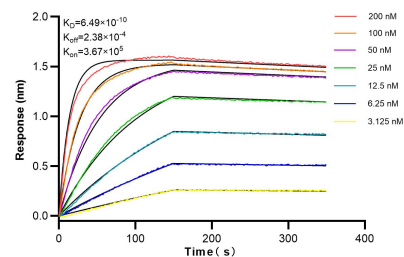
Selected Validation Data



1x10⁶ mouse thymocytes were surface stained with 0.25 ug Anti-Mouse CD155/PVR Rabbit Recombinant Antibody (98077-1-RR, Clone:240731B1) or isotype control and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG. Cells were not fixed.



1x10⁶ mouse thymocytes were surface stained with 0.25 ug Anti-Mouse CD155/PVR Rabbit Recombinant Antibody (98077-1-RR, Clone:240731B1) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98077-1-RR against Mouse CD155/PVR were performed. The affinity constant is 0.649 nM.