

For Research Use Only

Anti-Mouse CD155/PVR Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98077-1-PBS



Basic Information

Catalog Number:

98077-1-PBS

Size:

1mg, 2mg/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

Applications

Tested Applications:

FC

Species Specificity:

mouse

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).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

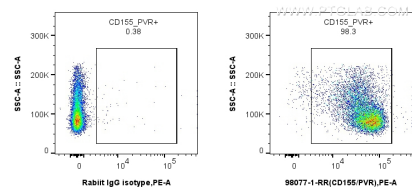
T: 4006900926

E: Proteintech-CN@ptglab.com

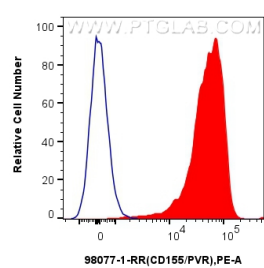
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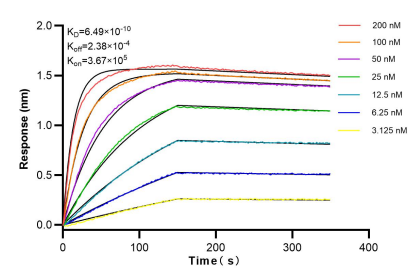
Selected Validation Data



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. This data was developed using the same antibody clone with 98077-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 98077-1-PBS in a different storage buffer formulation.



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