

For Research Use Only

CoraLite® Plus 488-conjugated CD155/PVR Recombinant antibody

Catalog Number: CL488-83724-6



Basic Information

Catalog Number:

CL488-83724-6

Size:

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

Observed MW:

80 kDa

Purification Method:

Protein A purification

CloneNo.:

240731B1

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

mouse

Positive Controls:

IF/ICC : RAW 264.7 cells,

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

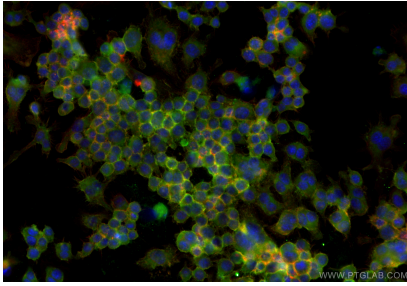
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using CoraLite® Plus 488 CD155/PVR antibody (CL488-83724-6, Clone: 240731B1) at dilution of 1:200, CL594-Phalloidin (red).