

For Research Use Only

Recombinant Mouse CD155/PVR protein (His Tag)



Catalog Number: Eg0903

Basic Information

Species:
Mouse

EC50:
0.6-3 ng/mL

Purity:
>95 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:
>95 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse CD155 protein Asp29-Leu348 (Accession# Q8K094) with His tag at the C-terminus.

GeneID:
52118

Accession:
Q8K094

Predicted Molecular Mass:
35.6 kDa

SDS-PAGE:
48-65 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Immobilized Mouse CD155 (His tag) at 1 μ g/mL (100 μ L/well) can bind Mouse TIGIT (hFc tag) with a linear range of 0.6-3 ng/mL.

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD155, also known as poliovirus receptor (PVR) or nectin-like protein 5 (NECL-5), is a type I transmembrane glycoprotein which belongs to the nectin and nectin-like family of immunoglobulin superfamily receptors. Mature mouse CD155 consists of a 318 aa extracellular domain, a 24 aa transmembrane segment, and a 38 aa cytoplasmic tail. CD155 plays roles in cell motility, and natural killer and T cell-mediated immunity. It binds to two receptors of NK cells, CD96 and CD226, and accumulates at cell-cell contact sites, leading to the formation of mature immune synapses between NK cells and target cells.

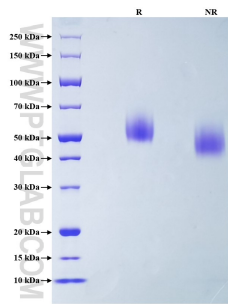
References

- 1.Mendelsohn CL. et al. (1989). Cell. 56(5):855-865.
- 2.Pende D. et al. (2005). Mol Immunol. 42(4):463-469.
- 3.Fuchs A. et al. (2004). J Immunol. 172(7):3994-8.

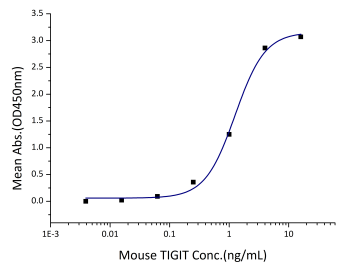
Synonyms

CD155/PVR, Pvr, CD155, poliovirus receptor, Tage4

Selected Validation Data



Purity of Recombinant Mouse CD155 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



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