

For Research Use Only

Recombinant Mouse CD226 protein (rFc Tag)



Catalog Number: Eg1588

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse CD226 protein Glu19-Pro254 (Accession# Q8K4F0) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

225825

Accession:

Q8K4F0

Predicted Molecular Mass:

53.1 kDa

SDS-PAGE:

55-70 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

Not tested

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

CD226 (DNAM-1) is a glycoprotein expressed on the surface of NK cells, platelets, monocytes and a subset of T cells. It is a member of the Ig-superfamily containing 2 Ig-like domains of the V-set. CD226 acts as an adhesion molecule guiding immune cells to bind to target cells and mediate the formation of immune synapses. It also mediates cytotoxicity and promotes the production of cytokines by transmitting intracellular signals. The protein also plays a role in megakaryocytic cell maturation. Interactions of CD226 and its ligands, CD155 and CD112, induce NK and T cell-mediated cytotoxicity and cytokine secretion.

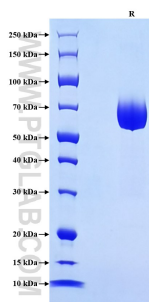
References

1. Chan CJ, et al. (2012). Curr Opin Immunol. 24(2):246-251.
2. Huang Z, et al. (2020). Front Cell Dev Biol. 8:564.
3. Tahara-Hanaoka S, et al. (2004). Int Immunol. 16(4):533-538.

Synonyms

CD226 antigen, Dnam-1, Platelet and T-cell activation antigen 1, Pta1

Selected Validation Data



Purity of Recombinant Mouse CD226 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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