

For Research Use Only

Recombinant Human CD96 protein (rFc Tag)



Catalog Number: Eg3520

Basic Information

Species:
Human

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 Human CD96 protein Val22-Met503 (Accession# P40200-2) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

10225

Accession:

P40200-2

Predicted Molecular Mass:

79.8 kDa

SDS-PAGE:

100-160 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

CD96 is a type I transmembrane protein expressed on the surface of natural killer cells and activated T cells, belonging to the immunoglobulin superfamily. As a crucial inhibitory immune checkpoint receptor, it primarily binds to its ligand CD155 (PVR), transmitting inhibitory signals that negatively regulate the cytotoxicity and cytokine secretion functions of NK cells and T cells. In the tumor microenvironment, the high expression of CD155 on tumor cells continuously activates the CD96 pathway, leading to exhaustion of immune cell function and thereby promoting tumor immune escape. Consequently, CD96 has emerged as a promising novel target in the field of tumor immunotherapy, with specific antagonistic antibodies currently in preclinical and early-stage clinical research.

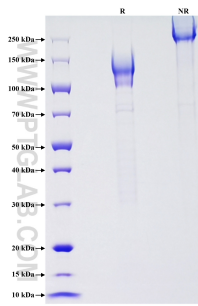
References

1. Feng, Shikai et al. International journal of molecular sciences vol. 24,2 (2023): 1303.
2. Chai, Jiaqi et al. European journal of gastroenterology & hepatology vol. 37,5 (2025): 534-539.
3. Ohtsuki, Shozo et al. Cell reports. Medicine vol. 4,4 (2023): 101012.
4. Qian, Da et al. Annals of medicine vol. 57,1 (2025): 2588717.

Synonyms

CD96 molecule, Cell surface antigen CD96, T cell surface protein tactile, T cell-activated increased late expression protein, TACTILE

Selected Validation Data



Purity of Recombinant Human CD96 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.

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

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