

For Research Use Only

# Recombinant Human CD151 protein (rFc Tag)



Catalog Number: Eg3476

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human CD151 protein Ala113-Arg221 (Accession# P48509) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

977

**Accession:**

P48509

**Predicted Molecular Mass:**

38.7 kDa

**SDS-PAGE:**

38-50 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ 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

CD151 (also known as TSPAN24) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are involved in the regulation of cell development, activation, growth and motility. CD151 is broadly expressed by a variety of cell types. It is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. CD151 enhances cell motility, invasion and metastasis of cancer cells.

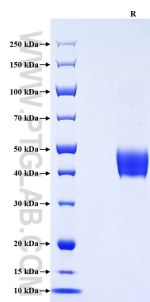
## References

1. S Detchokul, et al. (2014) Br J Pharmacol. 171(24):5462-90.
2. Rafal Sadej, et al. (2014) Lab Invest. 94(1):41-51.
3. Seema Kumari, et al. (2015) Biomark Cancer. 7:7-11.

## Synonyms

CD151 antigen, GP27, Membrane glycoprotein SFA 1, Membrane glycoprotein SFA-1, MER2

## Selected Validation Data



Purity of Recombinant Human CD151 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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