

For Research Use Only

Recombinant Human CD45 protein (rFc Tag)



Catalog Number: Eg2454

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human CD45 protein Gln26-Lys577 (Accession# P08575-3) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

5788

Accession:

P08575-3

Predicted Molecular Mass:

87.1 kDa

SDS-PAGE:

110-200 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm 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

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets. CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling.

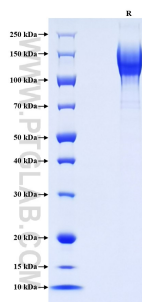
References

1. F W Shen, et al. (1986) Immunogenetics. 24(3):146-9.
2. J G Altin, et al. (1997) Review Immunol Cell Biol. 75(5):430-45.
3. Nicholas D Huntington, et al. (2006) Nat Immunol. 7(2):190-8.
4. Salema Jafri, et al. (2017) Sci Rep. 7(1):3495.

Synonyms

CD45, B220, EC:3.1.3.48, GP180, L CA

Selected Validation Data



Purity of Recombinant Human CD45 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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