

For Research Use Only

Recombinant Mouse CD90/Thy1 protein (His Tag)



Catalog Number: Eg1380

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Mouse CD90 protein Gln20-Cys131 (Accession# P01831) with a His tag at the C-terminus.

GeneID:

21838

Accession:

P01831

Predicted Molecular Mass:

13.9 kDa

SDS-PAGE:

21-28 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

CD90, also known as THY1, is a 25-35 kD protein that is expressed on 1-4% of human fetal liver cells, cord blood cells, and bone marrow cells. CD90 is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. Activation of Thy-1 has been reported to promote T cell activation. It also affects numerous nonimmunologic biological processes, including cellular adhesion, neurite outgrowth, tumor growth, migration, and cell death.

References

1. Brasch J. et al. (2011). J Mol Biol. 408(1):57-73.
2. Breier G. et al. (1996). Blood. 87(2):630-41.
3. Rege TA, Hagood JS. (2006). Biochim Biophys Acta. 1763(10):991-9.
4. Rege TA, Hagood JS. (2006). FASEB J. 20(8):1045-54.

Synonyms

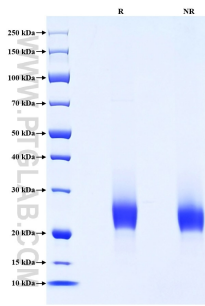
CD90, Thy1, Thy 1, Thy-1, Thy-1 antigen

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

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Selected Validation Data



Purity of Recombinant Mouse CD90 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.