

For Research Use Only

Recombinant Mouse CD27 protein (His Tag)



Catalog Number: Eg1311

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse CD27 protein Thr21-Arg182 (Accession# P41272) with a His tag at the C-terminus.

GeneID:

21940

Accession:

P41272

Predicted Molecular Mass:

19.2 kDa

SDS-PAGE:

35-45 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

CD27 (also known as TNFRSF7) is a type I glycoprotein expressed on some B cells and the majority of T cells, and is a member of the tumor necrosis factor (TNF) receptor family. CD27 is required for generation and long-term maintenance of T cell immunity. It is a receptor for CD70 (CD27L). Ligand of CD27 by CD70 induces strong ubiquitination of TRAF and the activation of both canonical and non-canonical NF-kappaB pathways, as well as the JNK pathway. CD27 may also play a role in apoptosis through association with SIVA1.

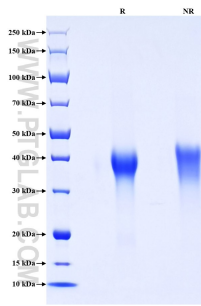
References

1. Agematsu K. et al. (2000) Immunol Today. 21(5):204-6.
2. Hendriks J. et al. (2000) Nat Immunol. 1(5):433-40.
3. Nolte MA. et al. (2009) Immunol Rev. 229(1):216-31.
4. Singaravelu K. et al. (2011) Am J Physiol Renal Physiol. 300(5):F1130-41.

Synonyms

CD27 antigen, CD27L receptor, T-cell activation antigen CD27, Tnfrsf7, Tumor necrosis factor receptor superfamily member 7

Selected Validation Data



Purity of Recombinant Mouse CD27 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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