For Research Use Only

Recombinant Mouse CD30/TNFRSF8 protein (His Tag)

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Catalog Number: Eg1307

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 CD30 protein Phe19-Thr281 (Accession# Q60846) with a His tag at the C-terminus.

GeneID:
21941

Accession:
Q60846

Predicted Molecular Mass:
28.7 kDa

SDS-PAGE:
30-40 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

CD30, also known as TNFRSF8 or Ki-1, is a transmembrane glycoprotein belonging to the tumor necrosis factor receptor superfamily. It is composed of an extracellular domain with six cysteine-rich repeats, a transmembrane segment, and an intracellular domain. CD30 is expressed on a small subset of activated T and B lymphocytes, and a variety of lymphoid neoplasms, with the highest expression in classical Hodgkin's lymphoma and anaplastic large cell lymphoma. The CD30 ligand (CD30L or CD153) is a type II transmembrane glycoprotein of the tumor necrosis factor ligand superfamily. Signal transduction of CD30/CD30L utilizes signal transducers, TNFR-associated factors (TRAF1, 2, 3 and 5).

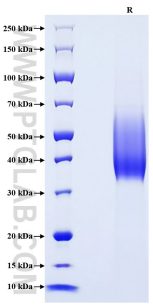
References

1. Dürkop H. et al. (1992) Cell. 68(3):421-7.
2. Horie R. et al. (1998) Semin Immunol. 10(6):457-70.
3. van der Weyden CA. et al. (2017) Blood Cancer J. 7(9):e603.
4. Gruss HJ. et al. (1996) Am J Pathol. 149(2):469-81.

Synonyms

CD30, CD30L receptor, Lymphocyte activation antigen CD30, Tnfrsf8, Tumor necrosis factor receptor superfamily member 8

Selected Validation Data



Purity of Recombinant Mouse CD30 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.