For Research Use Only

Recombinant Mouse TNFR2/CD120b protein (His Tag)

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number: Eg0683

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 TNFR2 protein Val23-Gly258 (Accession# Q545P4) with a His tag at the C-terminus.

GeneID:
21938

Accession:
Q545P4

Predicted Molecular Mass:
26.4 kDa

SDS-PAGE:
40-50 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

TNFR2, also known as CD120b, TNFRSF1B or p75, is a member of the tumor necrosis factor receptor superfamily, which also contains TNFRSF1A. Tumor necrosis factor (TNF, TNFSF2) is a multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis. TNF signals through TNFRSF1A and TNFRSF1B. TNFRSF1A is widely expressed, whereas TNFRSF1B exhibits more restricted expression, being found on CD4 and CD8 T lymphocytes, endothelial cells, microglia, oligodendrocytes, neuron subtypes, cardiac myocytes, thymocytes and human mesenchymal stem cells. Both TNFRSF1A and TNFRSF1B can also exist in soluble forms, probably derived by proteolytic cleavage from the cell surface forms. Various defects in the TNFRSF1B pathway, due to polymorphisms in the TNFRSF1B gene, upregulated expression of TNFRSF1B and TNFRSF1B shedding, have been implicated in the pathology of several autoimmune disorders.

References

1. Islam A, et al. (2006) J Biol Chem. 281 (10):6860-6873.
2. Faustman D, et al. (2010) Nat Rev Drug Discov. 9 (6):482-493.
3. Cabal-Hierro L, et al. (2012) Cell Signal. 24 (6):1297-1305.
4. Diez-Ruiz A, et al. (1995) Eur J Haematol. 54 (1):1-8.

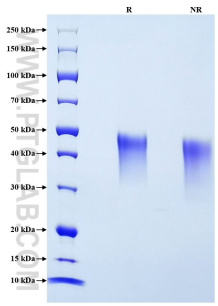
Synonyms

CD120b, TNFR2, Tnfrsf1b, p75, TNF alphaR2

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Purity of Recombinant Mouse TNFR2 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.