

For Research Use Only

Recombinant Mouse TLR3 protein (rFc Tag)



Catalog Number: Eg1803

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse TLR3 protein Thr26-Leu705 (Accession# Q99MB1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

142980

Accession:

Q99MB1

Predicted Molecular Mass:

103.6 kDa

SDS-PAGE:

110-150 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

Toll-like receptor 3 (TLR3) is also named CD283. TLR3 is a member of the TLR family, mediating the transcriptional induction of type I interferons (IFNs), proinflammatory cytokines, and chemokines, thereby collectively establishing an antiviral host response. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. TLR3 is a nucleotide-sensing TLR that is activated by double-stranded RNA. Upon recognition of dsRNA, TLR3 transmits signals via the adaptor protein TICAM-1/TRIF, leading to the induction of type I IFN, cytokine/chemokine production, and dendritic cell (DC) maturation.

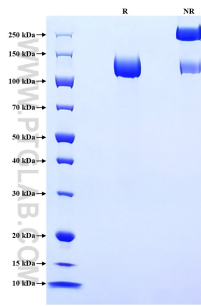
References

- 1.Chen Y, et al. (2021) J Zhejiang Univ Sci B. 22(8):609-632.
- 2.Matsumoto M, et al. (2008) Adv Drug Deliv Rev. 60(7):805-12.

Synonyms

CD283, Toll-like receptor 3

Selected Validation Data



Purity of Recombinant Mouse TLR3 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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