

RP03522

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Recombinant Mouse CD55 Protein

Catalog No.: RP03522 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	13136	Q61475

Tags

C-His

Synonyms

Cd55; Cd55a; Daf; Daf1; Complement decay-accelerating factor; GPI-anchored; DAF-GPI; CD55

Product Information

Source	Purification
	≥ 90% as determined by reducing SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

Background

Recombinant Mouse CD55 Protein is a major regulator of the alternative and classical pathways of complement activation and is expressed on all serum-exposed cells. This protein recognizes C4b and C3b fragments that condense with cell-surface hydroxyl or amino groups when nascent C4b and C3b are locally generated during C4 and c3 activation. Interaction of daf with cell-associated C4b and C3b polypeptides interferes with their ability to catalyze the conversion of C2 and factor B to enzymatically active C2a and Bb and thereby prevents the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade. Inhibits complement activation by destabilizing and preventing the formation of C3 and C5 convertases, which prevents complement damage.

Basic Information

Description

Recombinant Mouse CD55 Protein is produced by HEK293 cells system. The target protein is expressed with sequence (Asp35-Gly362) of Mouse CD55 (Accession #NP_034146.2) fused with His tag at the C-Terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.