Recombinant Mouse CD5L Protein

Catalog No.: RP03564

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Sequence Information

Species
Mouse

Gene ID
11801

Swiss Prot
Q9QWK4

Tags
C-His

Synonyms
Cd5l, Aim, Api6,CD5 antigen-like, SP-alpha

Product Information

Source
HEK293 Cells

Purification
> 95% as determined by Bis-Tris PAGE, > 95% as determined by HPLC

Calculated MW
37.7 kDa

Observed MW
45-60 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Dissolve the lyophilized protein in distilled water.

Background

CD5L (CD5 antigen-like), also known as Sp alpha and AIM, is a 50 kDa secreted glycoprotein that belongs to the SRCR (scavenger receptor cysteine rich) group B family of proteins. CD5L is up-regulated in macrophages at inflammatory sites. It sustains inflammatory reactions by both increasing the phagocytic capacity of macrophages and impeding the apoptosis of local macrophages, NK cells, and T cells. CD5L functions as a pattern recognition molecule by binding both lipoteichoic acid (LTA) on Gram positive and lipopolysaccharide (LPS) on Gram negative bacteria. In the thymic cortex, CD5L protects cortical CD4+CD8+thymocytes from apoptosis. CD5L circulates in the serum in complex with IgM.

Basic Information

Description
Recombinant Mouse CD5L Protein is produced by HEK293 Cells system. The target protein is expressed with sequence (Glu22-Val352) of Mouse CD5L (Accession #NP_033820.2) fused with His tag at the C-Terminus..

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

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

Contact

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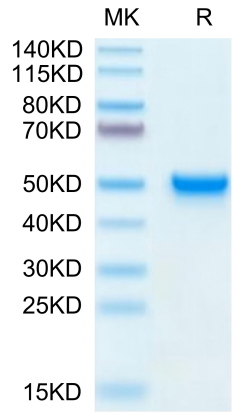
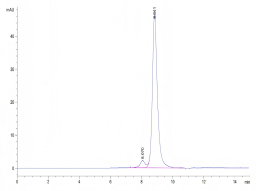
Validation Data



Recombinant Mouse CD5L Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Mouse CD5L is greater than 95% as determined by SEC-HPLC.

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