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Recombinant Mouse CLEC7A/Dectin-1/CD369 Protein

Catalog No.: RP03161 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	56644	Q6QLQ4

Tags
N-hFc

Synonyms
Beta-glucan receptor; DC-associated C-type lectin 1; Dectin-1; Dectin1; CD369; BGR; CLECSF12; DECTIN1; CANDF4

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW	Observed MW
46.08 kDa	55-65 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Dendritic cell-associated C-type lectin-1 (Dectin-1), also known as β-glucan receptor is an emerging pattern recognition receptor (PRR) which belongs to the family of C-type lectin receptor (CLR). Dectin-1 signaling axis has been suggested to be targeted as an effective therapeutic strategy for cancers. Dectin-1 has also been elucidated ascetically in the heart, respiratory, intestinal, neurological and developmental disorders.

Basic Information

Description
Recombinant Mouse CLEC7A/Dectin-1/CD369 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly71-Leu244) of mouse CLEC7A (Accession #Q6QLQ4) fused with a hFc tag at the N-terminus.

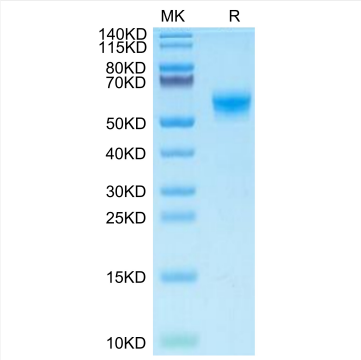
Bio-Activity

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.

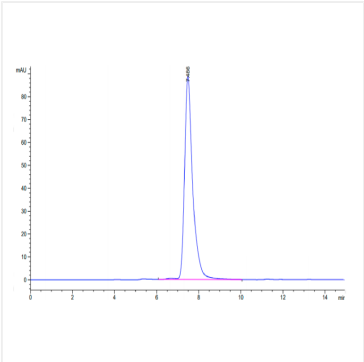
Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

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

Validation Data



Recombinant Mouse CLEC7A/Dectin-1/CD369 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Mouse CLEC7A is greater than 95% as determined by SEC-HPLC.

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