

RP02553B

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Biotinylated Recombinant Human LAG-3/CD223 Protein

Catalog No.: RP02553B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3902	P18627-1

Tags

C-His&Avi

Synonyms

CD223; FDC; LAG3; LAG-3; sLAG-3

Product Information

Source

Centrifuge the tube 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.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

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

Background

LAG-3, is a protein which in humans is encoded by the LAG3 gene, which is a cell surface molecule with diverse biologic effects on T cell function. It is an immune checkpoint receptor and as such is the target of various drug development programs by pharmaceutical companies seeking to develop new treatments for cancer and autoimmune disorders.

Basic Information

Description

Biotinylated Recombinant Human LAG-3/CD223 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu23-Gly434) of Human LAG-3/CD223 fused with a His and Avi tag at the C-terminal.

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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

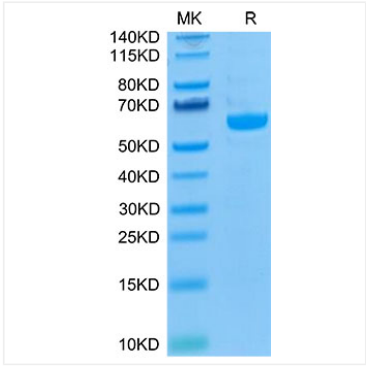
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Contact

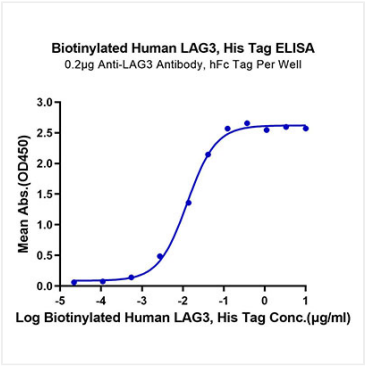


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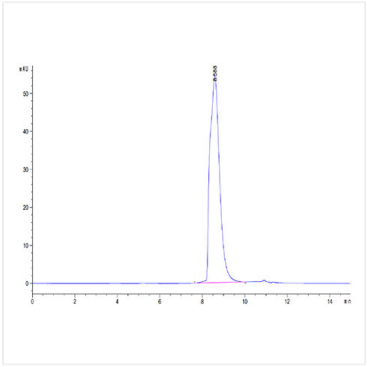
Validation Data



Biotinylated Recombinant Human LAG-3/CD223 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Anti-LAG3 Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human LAG3, His Tag with the EC₅₀ of 12.7ng/ml determined by ELISA.



The purity of Biotinylated Human LAG3 is greater than 95% as determined by SEC-HPLC.