

Biotinylated Recombinant Human LAG-3/CD223 Protein

Catalog No.: RP02553B

Sequence Information

Species	Gene ID
Human	3902
Swiss Prot	Tags
P18627-1	C-His&Avi

Synonyms

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

Product Information

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

Calculated MW Observed MW

47.3 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 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.

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.

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°C

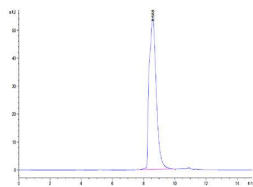
Operational Notes

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

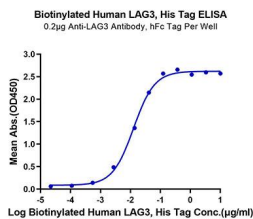
Contact

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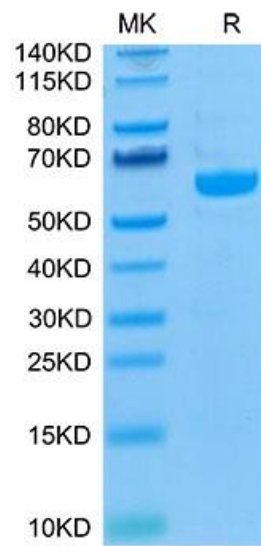
Validation Data



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



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.



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