

Biotinylated Recombinant Human LAG-3/CD223 Protein

www.abclonal.comCatalog No.: RP02553B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3902	P18627-1

Tags

C-His&Avi

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-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.

Contact

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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

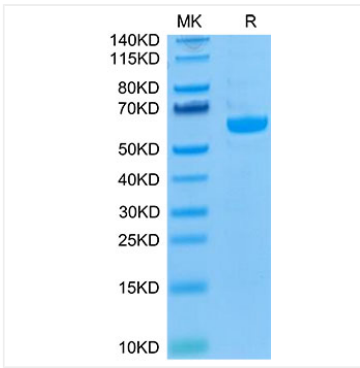
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

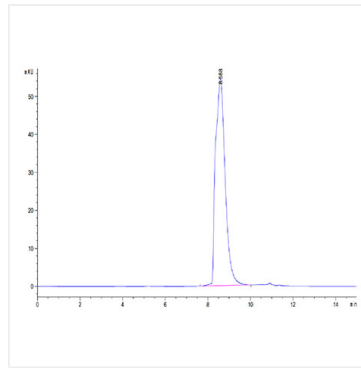
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

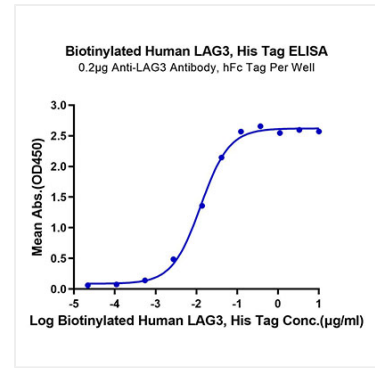
Validation Data



Biotinylated Human LAG3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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.