

Recombinant Human LAG-3/CD223 Protein

Catalog No.: RP00193 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3902	P18627-1

Tags

C-His

Synonyms

LAG3;CD223

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Human LAG-3/CD223 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Leu23-Leu450) of human LAG-3/CD223 (Accession #NP_002277.4) fused with a 6×His tag at the C-terminus.

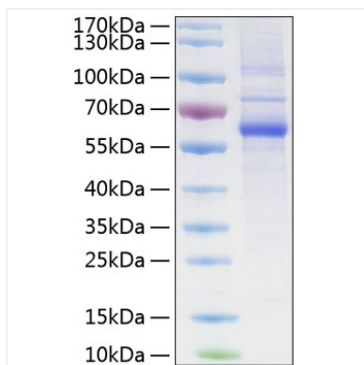
Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human LAG3 at 2 μg/mL (100 μL/well) can bind Anti-LAG3 antibody with a linear range of 13-40 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized Human FGL1 at 5 μg/mL (100 μL/well) can bind recombinant Human LAG3, the EC₅₀ of Human LAG3 is 0.32 μg/mL.

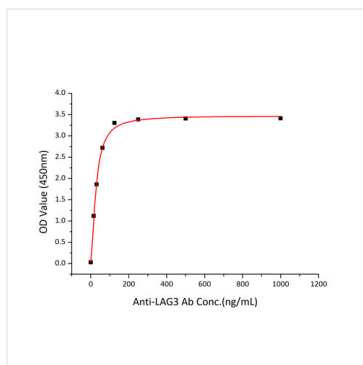
Storage

Store the lyophilized protein at -20°C to -80 °C for long term. 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.

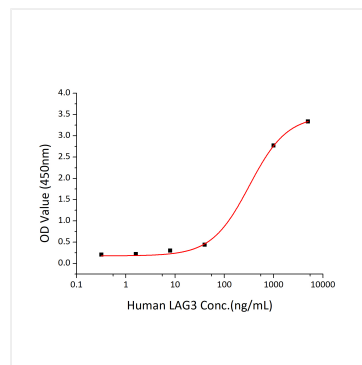
Validation Data



Recombinant Human LAG-3/CD223 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60kDa.



Immobilized Recombinant Human LAG3 at 2 μ g/mL (100 μ L/well) can bind Anti-LAG3 antibody with a linear range of 13-40 ng/mL.



Immobilized Recombinant Human FGL1 at 5 μ g/mL (100 μ L/well) can bind recombinant Human LAG3, the EC₅₀ of Human LAG3 is 0.32 μ g/mL.