

Biotinylated Human LAG3/CD223 Protein



Cat. No. LAG-HM431B

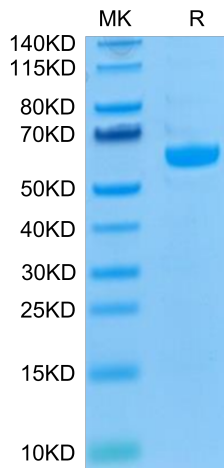
Description	
Source	Recombinant Biotinylated Human LAG3/CD223 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Leu23-Gly434.
Accession	P18627-1
Molecular Weight	The protein has a predicted MW of 45.5 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.	

Assay Data

Tris-Bis PAGE



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

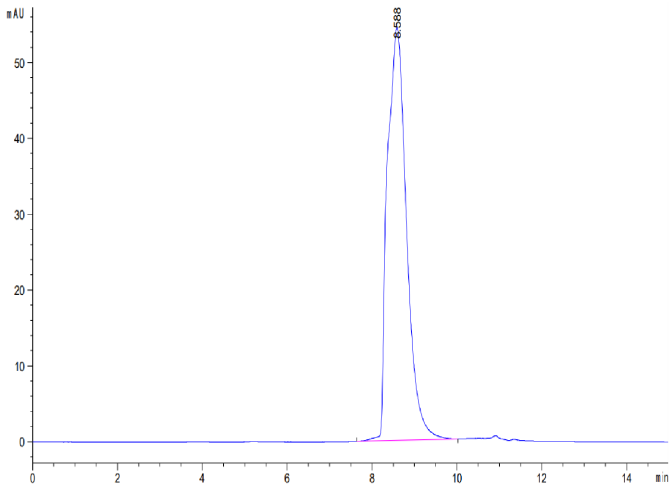
SEC-HPLC

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Assay Data

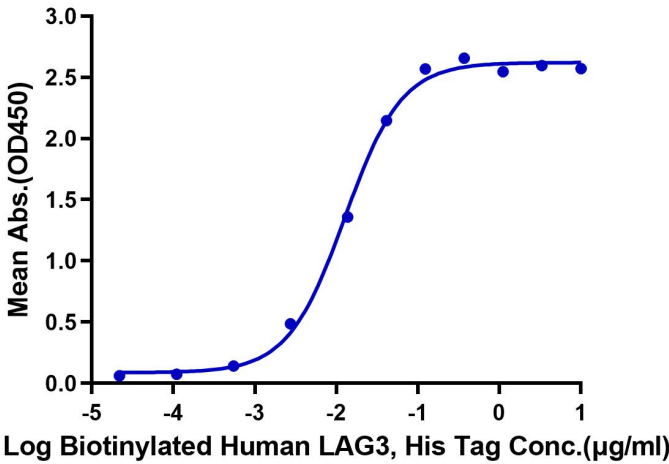


The purity of Biotinylated Human LAG3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human LAG3, His Tag ELISA

0.2µg Anti-LAG3 Antibody, hFc Tag Per Well



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.