

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 47.3 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

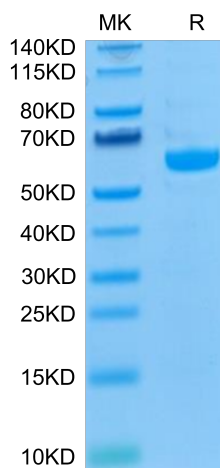
Formulation	Lyophilized from 0.22µm filtered solution in 20mM PB, 150mM NaCl (pH 6.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months 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.

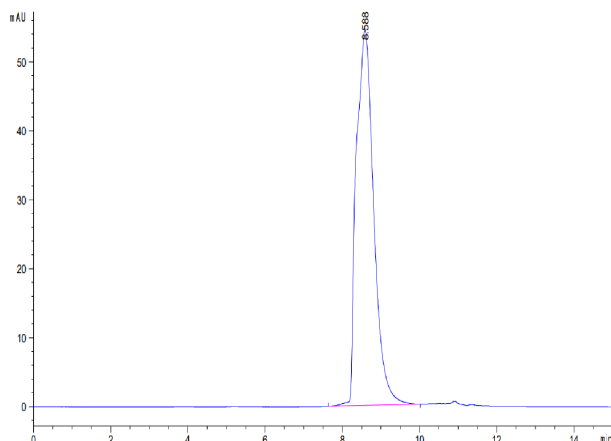
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



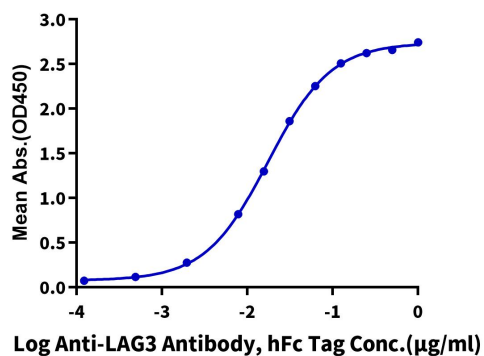
The purity of Biotinylated Human LAG3 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Human LAG3, His-Avi Tag ELISA

0.2µg Biotinylated Human LAG3, His-Avi Tag Per Well



Immobilized Biotinylated Human LAG3, His-Avi Tag at 2µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-LAG3 Antibody, hFc Tag with the EC50 of 17.5ng/ml determined by ELISA (QC Test).