Human LAG3/CD223 Protein

Cat. No. LAG-HM231

Description

Source	Recombinant Human LAG3/CD223 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Leu23-Leu450.
Accession	P18627-1
Molecular Weight	The protein has a predicted MW of 72.4 kDa. Due to glycosylation, the protein migrates to 75-80 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

Formulation and Storage

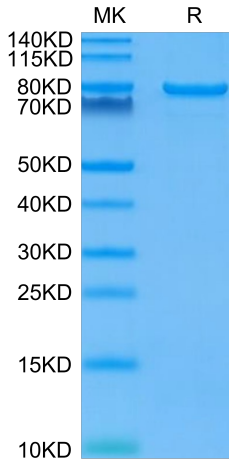
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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



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

ELISA Data

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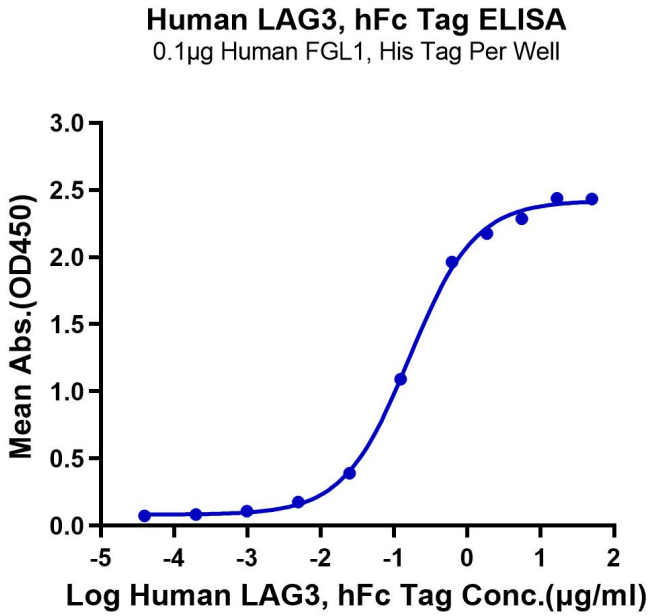
Assay Data



Immobilized Human FGL1, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human LAG3, hFc Tag with the EC50 of 0.16μg/ml determined by ELISA.