

Datasheet for ABIN7275116

LAG3 Protein (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LAG3
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAG3 protein is labelled with His tag.

Product Details

Sequence:	Ser23-Leu442
Purity:	> 95% as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Mouse LAG3 at 2µg/ml (100µl/Well) on the plate. Dose response curve for Mouse FGL1, hFc Tag with the EC50 of 0.24µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	LAG3
Alternative Name:	LAG3 (LAG3 Products)
Background:	CD223, FDC, LAG3, LAG-3, sLAG-3, 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

Target Details

by pharmaceutical companies seeking to develop new treatments for cancer and autoimmune disorders.

Molecular Weight: 46.2 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Tris-Bis PAGE result.

UniProt: [Q61790](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

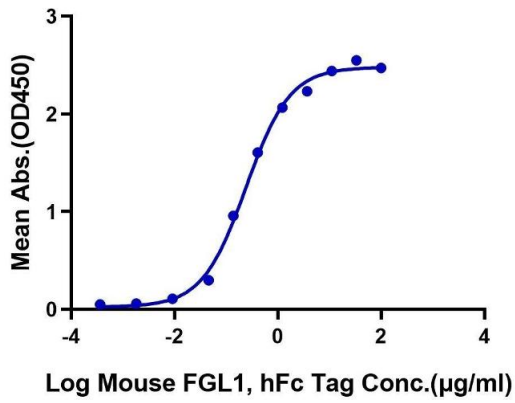
Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

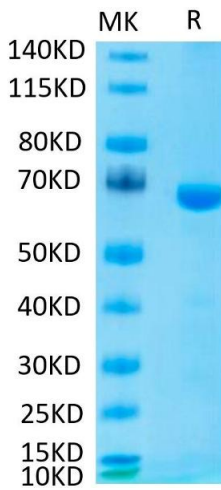
Mouse LAG3, His Tag ELISA

0.2µg Mouse LAG3, His Tag Per Well



ELISA

Image 1. Immobilized Mouse LAG3 at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Mouse FGL1, hFc Tag with the EC50 of 0.24 µg/mL determined by ELISA.



SDS-PAGE

Image 2. Mouse LAG3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .