



Synonym

LAG3,CD223,FDC

Source

Biotinylated Mouse LAG-3 Protein, Fc,Avitag(LA3-M82F3) is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Leu 442 (Accession # [Q61790-1](#)).

Predicted N-terminus: Gly 24

Molecular Characterization

LAG-3(Gly 24 - Leu 442) Q61790-1	Fc(Pro 100 - Lys 330) P01857	Avi
-------------------------------------	---------------------------------	-----

This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 73.4 kDa. The protein migrates as 80-90 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

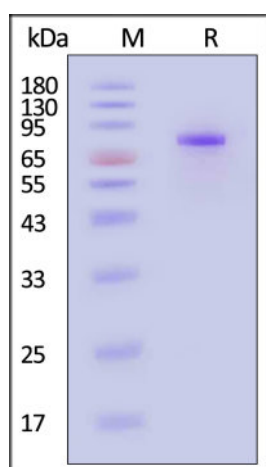
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

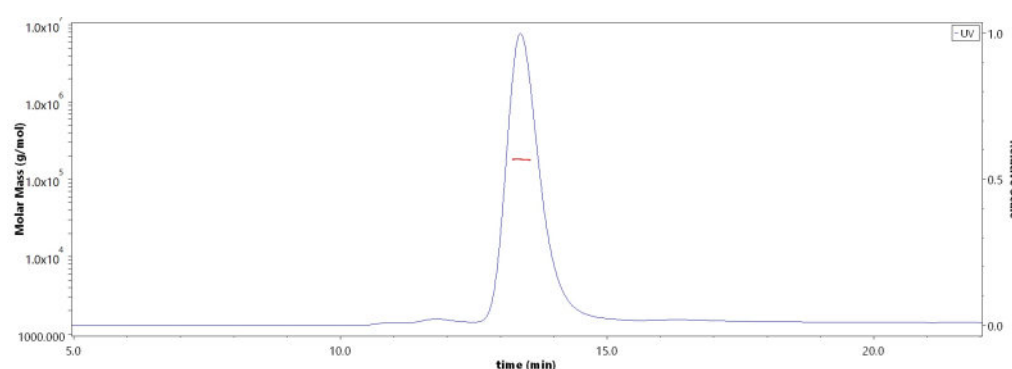
SDS-PAGE



Biotinylated Mouse LAG-3 Protein, Fc,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

SEC-MALS



The purity of Biotinylated Mouse LAG-3 Protein, Fc,Avitag (Cat. No. LA3-M82F3) is more than 90% and the molecular weight of this protein is around 160-190 kDa verified by SEC-MALS.

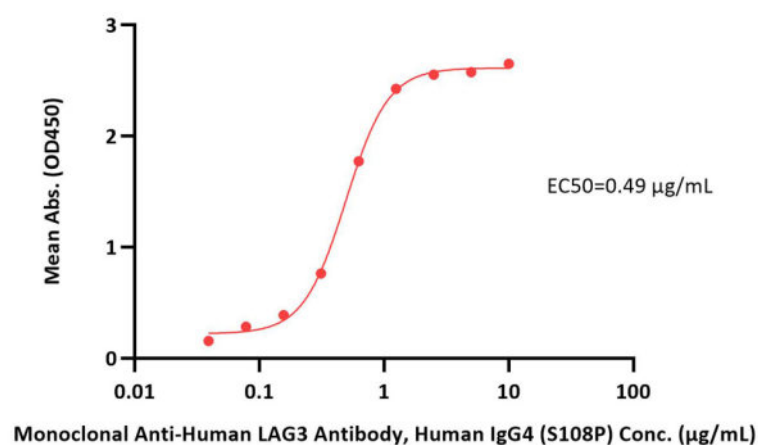
[Report](#)

Discounts, Gifts,
and more!

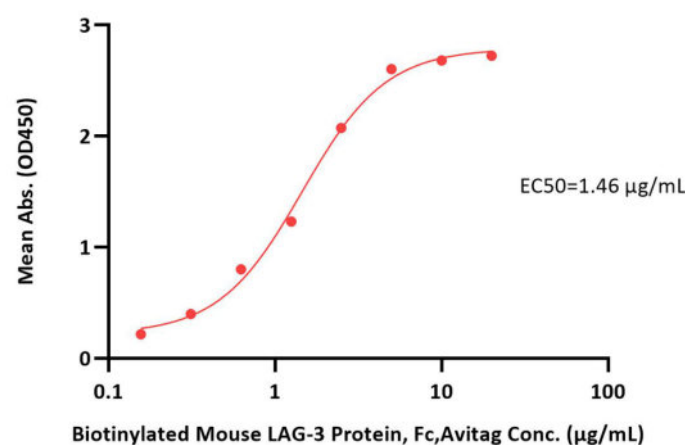




Biotinylated Mouse LAG-3 Protein, Fc,Avitag ELISA
0.1 µg of Biotinylated Mouse LAG-3 Protein, Fc,Avitag per well



Biotinylated Mouse LAG-3 Protein, Fc,Avitag ELISA
0.5 µg of Mouse FGL1, Fc Tag per well



Immobilized Biotinylated Mouse LAG-3 Protein, Fc,Avitag (Cat. No. LA3-M82F3) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate. can bind Monoclonal Anti-Human LAG3 Antibody, Human IgG4 (S108P) with a linear range of 0.039-1.25 µg/mL (QC tested).

Immobilized Mouse FGL1, Fc Tag (Cat. No. FG1-M5258) at 5 µg/mL (100 µL/well) can bind Biotinylated Mouse LAG-3 Protein, Fc,Avitag (Cat. No. LA3-M82F3) with a linear range of 0.2-2.5 µg/mL (Routinely tested).

Background

Lymphocyte activation gene 3 protein (LAG3) is also known as CD antigen CD223 and protein FDC, which belongs to immunoglobulin (Ig) superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. LAG3 /CD223 involved in lymphocyte activation. LAG3 /CD223 binds to HLA class-II antigens.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

Discounts, Gifts,
and more!

