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Datasheet for ABIN5674617

## LAG3 Protein (AA 18-449) (Fc Tag)

2 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	LAG3
Protein Characteristics:	AA 18-449
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LAG3 protein is labelled with Fc Tag.

### Product Details

Sequence:	AA 18-449
Characteristics:	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 73.7 kDa. The protein migrates as 78-92 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

### Target Details

Target:	LAG3
Alternative Name:	LAG-3 ( <a href="#">LAG3 Products</a> )

## Target Details

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**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.

**Molecular Weight:** 73.5 kDa

**NCBI Accession:** [XP\\_005570011](#)

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

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Buffer:** Tris with Glycine, Arginine and NaCl, pH 7.5

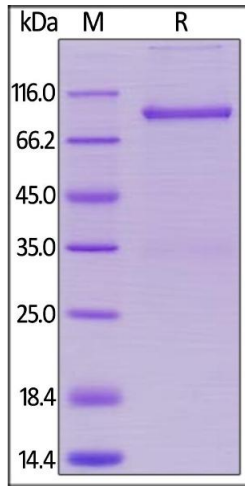
**Handling Advice:** Please avoid repeated freeze-thaw cycles.

**Storage:** -20 °C

## Publications

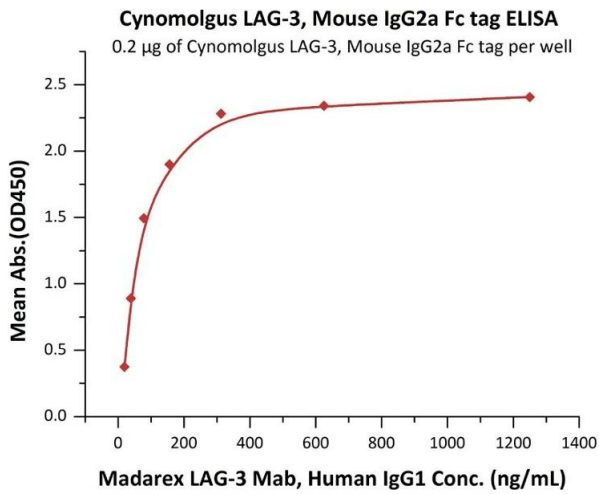
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**Product cited in:** Yu, Huang, Chen, Liu, Wu, Pu, Wang, Kang, Zhou: "Characterization of a novel anti-human lymphocyte activation gene 3 (LAG-3) antibody for cancer immunotherapy." in: **mAbs**, Vol. 11, Issue 6, pp. 1139-1148, (2019) ([PubMed](#)).



### SDS-PAGE

**Image 1.** Cynomolgus LAG-3, Mouse IgG2a Fc tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



### ELISA

**Image 2.** Immobilized Cynomolgus LAG-3, Mouse IgG2a Fc tag (ABIN5674617, ABIN6809975) at 2 µg/mL (100 µL/well) can bind Madarex LAG-3 Mab, Human IgG1 with a linear range of 20-78 ng/mL (QC tested).