

Datasheet for ABIN2181447

LAG3 Protein (AA 23-450) (His tag)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LAG3
Protein Characteristics:	AA 23-450
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LAG3 protein is labelled with His tag.

Product Details

Sequence:	AA 23-450
Characteristics:	This protein carries a polyhistidine tag at the C-terminus, and has a calculated MW of 47 kDa. The predicted N-terminus is Leu 23. The reducing (R) protein migrates as 55-60 kDa in SDS-PAGE due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	LAG3
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Target Details

Alternative Name:	LAG-3 (LAG3 Products)
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:	47.1 kDa
NCBI Accession:	NP_002277
UniProt:	P18627
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cancer Immune Checkpoints

Application Details

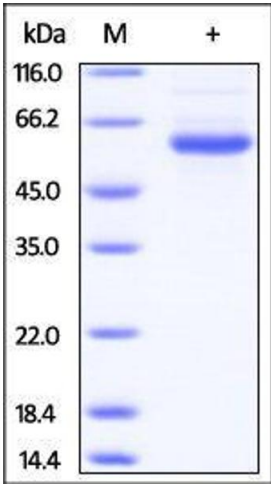
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

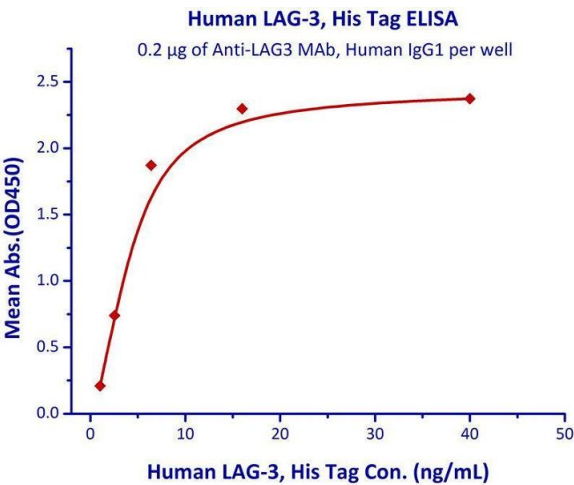
Publications

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).
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SDS-PAGE

Image 1. Human LAG-3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.



Binding Studies

Image 2. Immobilized Human LAG-3, His Tag can bind anti-LAG-3 mAb with a linear range of 0.5-30 ng/mL.