Datasheet for ABIN5954960

LAG3 Protein (AA 23-450) (Fc Tag,AVI tag,Biotin)

2 Images

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Overview

Quantity:	200 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 Fc Tag,AVI tag,Biotin.

Product Details

Sequence:	AA 23-450
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % 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 (LAG3 Products)
Background:	Lymphocyte activation gene 3 protein (LAG3) is also known as CD antigen CD223 and protein

Target Details

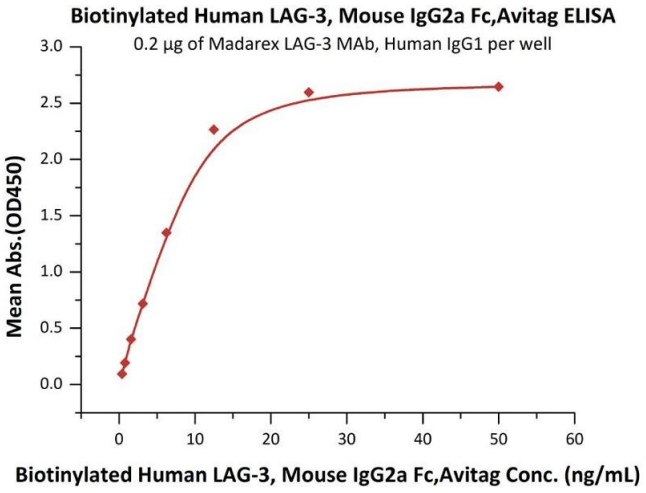
	FDC, which belongs to immunoglobulin (Ig) superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. LAG3 /CD223 involved in lymphocyte activation. LAG3 /CD223 binds to HLA class-II antigens.
Molecular Weight:	75.4 kDa
NCBI Accession:	NP_002277
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cancer Immune Checkpoints

Application Details

Comment:	Ready-to-use AvitagTM biotinylated protein: The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA. This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.
Restrictions:	For Research Use only

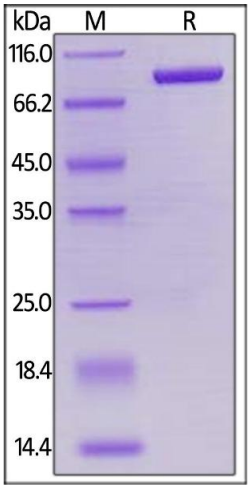
Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



ELISA

Image 1. Immobilized Madarex LAG-3 MAb, Human IgG1 at 2 μg/mL (100 μL/well) can bind Biotinylated Human LAG-3, Mouse IgG2a Fc,Avitag (ABIN5954960,ABIN6253611) with a linear range of 0.4-13 ng/mL (QC tested).



SDS-PAGE

Image 2. Biotinylated Human LAG-3, Mouse IgG2a Fc,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .