

Active Recombinant Human LAG3 Protein, MIgG2a Fc & Avi-tagged, Biotinylated

Cat. No. LAG3-385H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human LAG3 Protein, MIgG2a Fc & Avi-tagged, Biotinylated is expressed from human 293 cells (HEK293). It contains AA Leu 23 - Leu 450 (Accession # P18627-1). Predicted N-terminus: Leu 23. This protein carries a mouse IgG2a Fc tag at the C-terminus, followed by an Avi tag. The protein has a calculated MW of 75.4 kDa. The protein migrates as 100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.

Species

Human

Source

HEK293

ProteinLength

Leu 23 - Leu 450

Form

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.

Bio-activity

Immobilized Madarex LAG-3 Mab, Human IgG1 at 2 µg/mL (100 µL/well) can bind Recombinant Human LAG3 Protein, MIgG2a Fc & Avi-tagged, Biotinylated with a linear range of 0.4-13 ng/mL (QC tested).
Flow Cytometry assay shows that Recombinant Human LAG3 Protein, MIgG2a Fc & Avi-tagged, Biotinylated can bind to daudi cell surface. The concentration of LAG-3 used is 0.3 µg/ml (Routinely tested).

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Molecular Mass	75.4 kDa
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	LAG3 lymphocyte-activation gene 3 [Homo sapiens]
Official Symbol	LAG3
Synonyms	LAG3; lymphocyte-activation gene 3; lymphocyte activation gene 3 protein; CD223;
Gene ID	3902

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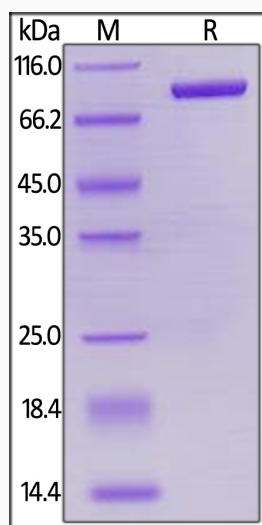
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mRNA Refseq NM_002286

Protein Refseq NP_002277

MIM 153337

UniProt ID P18627



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