

Active Recombinant Cynomolgus LAG3 protein, Fc-tagged

Cat. No. LAG3-1829C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus LAG-3 / CD223, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Ala 18 - His 449 (Accession # XP_005570011.1).
Species	Cynomolgus
Source	HEK293
ProteinLength	AA Ala 18 - His 449
Description	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.
Predicted N Terminal	Ala 18
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Cynomolgus LAG-3, Fc Tag at 2 µg/mL (100 µL/well) can bind Anti-LAG3 MAb, Human IgG1 with a linear range of 1-51 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a

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	calculated MW of 73.2 kDa. The protein migrates as 90-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>80% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

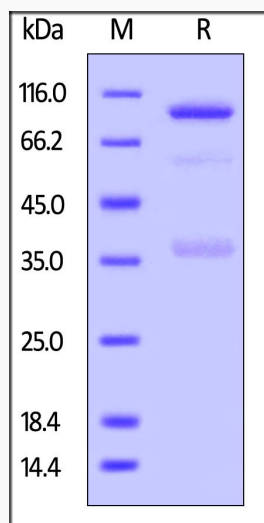
Gene Name	LAG3 lymphocyte activating 3 [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	LAG3
Synonyms	CD223; lymphocyte-activation gene 3
Gene ID	102122272
mRNA Refseq	XM_005569954.2
Protein Refseq	XP_005570011.1

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SDS-PAGE



Cynomolgus LAG-3 / CD223, Fc Tag on SDS-PAGE under reducing (R) condition.
The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 80%.