

LAG-3 Protein, Cynomolgus, Recombinant (hFc)

General Information

Synonyms:	LAG-3;Protein FDC;Lymphocyte activation gene 3 protein;CD223;LAG3
Protein Construction:	Ala18-His449(Pro74)
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	XP_005570011.1
Molecular Weight:	90 KDa (reducing condition)
AA Sequence:	Ala18-His449(Pro74)

QC Testing

Biological Activity:	Immobilized Anti-Human LAG-3 mAb at 2µg/ml (100 µl/well)can bind Cynomolgus LAG-3-Fc. The ED50 of Cynomolgus LAG-3-Fc is 14.79 ng/ml. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, 5% Trehalose, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Human Lymphocyte activation gene 3 protein(LAG3) is a member of immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. LAG3 is involved in lymphocyte activation and can bind to HLA class-II antigens. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells and acts as as a new marker of T cell induced B cell activation. As a soluble molecule, LAG3 activates antigen-presenting cells through MHC class II signaling. It can lead to increased antigen-

specific T-cell responses in vivo. LAG-3 has higher affinity to MHC class II than CD4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481