Recombinant Mouse LAG-3/CD223 Protein

Catalog No.: RP01327

Sequence Information

Species
Mouse

Gene ID
16768

Swiss Prot
Q61790

Tags
C-His

Synonyms
LAG3,CD223,FDC,Ly66,LAG3

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
46.18 kDa

Observed MW
55-65 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

LAG3 (Lymphocyte Activating 3), also known as CD223 and Lymphocyte activation gene 3, belongs to the immunoglobulin (Ig) superfamily, is a protein-coding gene. 2 alternatively spliced human isoforms have been reported. The LAG3 gene contains 8 exons. It is selectively expressed in activated T and NK cells. LAG3 contains 4 extracellular Ig-like domains and has a negative regulatory function in T cells. It also acts 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, leading to increased antigen-specific T-cell responses in vivo. Diseases associated with LAG3 include Smoldering Myeloma and Kyphoscoliotic Heart Disease.

Basic Information

Description
Recombinant Mouse LAG-3/CD223 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly24-Leu442) of Mouse LAG3 (Accession #NP_032505.1) fused with an 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA.Immobilized Mouse LAG3 (Catalog: RP01327) at 1 μg/mL (100 μL/well) can bind LAG3 Rabbit pAb with a linear range of 0.06-1.2ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

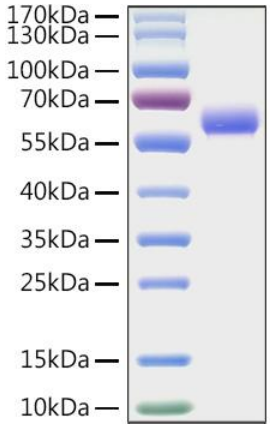
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

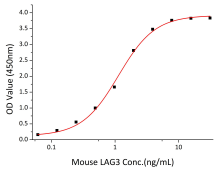
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Validation Data



Recombinant Mouse LAG-3/CD223 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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