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Recombinant Mouse LAG-3/CD223 Protein

Catalog No.: RP01327 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 16768 Q61790

Tags C-His

Synonyms LAG3;CD223;FDC;Ly66;LAG3

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

46.18 kDa 55-65 kDa

Endotoxin

< 0.1 EU/ μ g 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.

Contact

<u>a</u>	400-999-6126
\bowtie	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

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.

Bio-Activity

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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

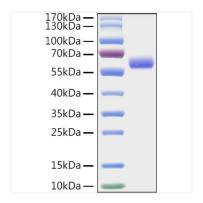
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

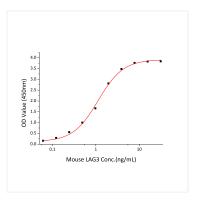
Operational Notes

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

Validation Data



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



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