Human LAG3 / CD223 / Lymphocyte activation gene 3 Protein, Biotinylated

Catalog Number: 16498-HNAH-B

General Information

Gene Name Synonym:
CD223; LAG-3

Protein Construction:
A DNA sequence encoding the LAG3 (P18627) (Met1-Arg440) was expressed. The expressed protein was biotinylated in vitro.

Source: Human
Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE.

Endotoxin:
< 1.0 EU per μg protein as determined by the LAL method.

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Val 29

Molecular Mass:
The recombinant LAG3 consists of 412 amino acids and predicts a molecular mass of 44.7 kDa.

Formulation:
Lyophilized from sterile Sterile PBS.

Normally 5% - 8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

Protein Description

LAG3, also known as CD223 and Lymphocyte activation gene 3, belongs to immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells. It also 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 signalling, leading to increased antigen-specific T-cell responses in vivo.

References