

Recombinant Human LAG3/CD223 Protein (Fc Tag)

Catalog Number: PKSH033597

Note: Centrifuge before opening to ensure complete recovery of vial contents.

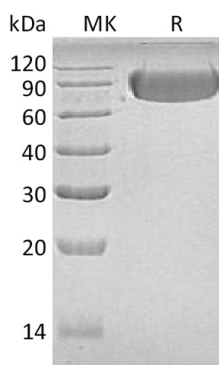
Description

Species	Human
Source	HEK293 Cells-derived Human LAG3/CD223 protein Leu23-Leu450, with an C-terminal Fc
Calculated MW	73.3 kDa
Observed MW	70-90 kDa
Accession	P18627
Bio-activity	Immobilized Anti-Human LAG-3 mAb at 2µg/ml (100 µl/well) can bind Human LAG-3-Fc. The ED ₅₀ of Human LAG-3-Fc is 6.76 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM NaH ₂ PO ₄ , 150mM NaCl, 0.1M Arginine, 0.1M Glu, 10% Glycerol, 0.01% Tween20, 5% Trehalose, pH 7.4.

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

For Research Use Only