



Recombinant Protein Technical Manual

Recombinant Cynomolgus LAG-3/CD223 Protein (Fc Tag)
RPES2592

Product Data:

Product SKU: RPES2592

Size: 10µg

Species: Cynomolgus

Expression host: Human Cells

Uniprot: XP_005570011.1

Protein Information:

Molecular Mass: 73.6 kDa

AP Molecular Mass: 90 kDa

Tag: C-Fc

Bio-activity:

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

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

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Lymphocyte activation gene 3 protein;LAG3;LAG-3;Protein FDC;CD223

Immunogen Information:

Sequence: Ala18-His449(Pro74)

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.