



Recombinant Protein Technical Manual
Recombinant Human LAG3/CD223 Protein (Fc Tag)
RPES2532

Product Data:

Product SKU: RPES2532

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_002277.4

Protein Information:

Molecular Mass: 72.3 kDa

AP Molecular Mass:

Tag: C-Fc

Bio-activity:

Purity: > (3.0+91.0+3.1) % as determined by reducing SDS-PAGE. .

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°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 sterile 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;LAG-3

Immunogen Information:

Sequence: Met 1-Leu450

Background:

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 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.