



Recombinant Protein Technical Manual
Recombinant Cynomolgus LAG-3/CD223 Protein (His
Tag)
RPES2511

Product Data:

Product SKU: RPES2511

Size: 10µg

Species: Cynomolgus

Expression host: Human Cells

Uniprot: XP_005570011.1

Protein Information:

Molecular Mass: 47.3 kDa

AP Molecular Mass: 55-65&140 kDa

Tag: N-His

Bio-activity: Immobilized Cynomolgus LAG-3-His at 2µg/ml(100 µl/well) can bind Human FGL1-Fc. The ED50 of Cynomolgus LAG-3-His is 5.8 ug/ml .

Purity: > 95% 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,PH7.4.

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

Application: Functional ELISA

Synonyms: Lymphocyte Activating 3; LAG3; LAG-3; CD223

Immunogen Information:

Sequence: Pro23-Leu450(Pro74)

Background:

Lymphocyte Activating 3(LAG3) belongs to immunoglobulin (Ig) superfamily, *Macaca fascicularis* LAG3 cDNA encodes 533 amino acids (aa) that include a 17 aa signal sequence, a 451 aa extracellular domain (ECD) with two Ig-like domains, a transmembrane region and a highly charged cytoplasmic region. LAG3's main ligand is MHC class II, to which it binds with higher affinity than CD4. The protein negatively regulates cellular proliferation, activation, and homeostasis of T cells, in a similar fashion to CTLA-4 and PD and has been reported to play a role in Treg suppressive function.