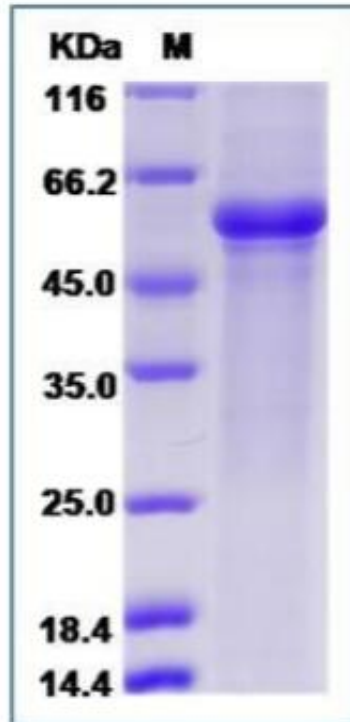


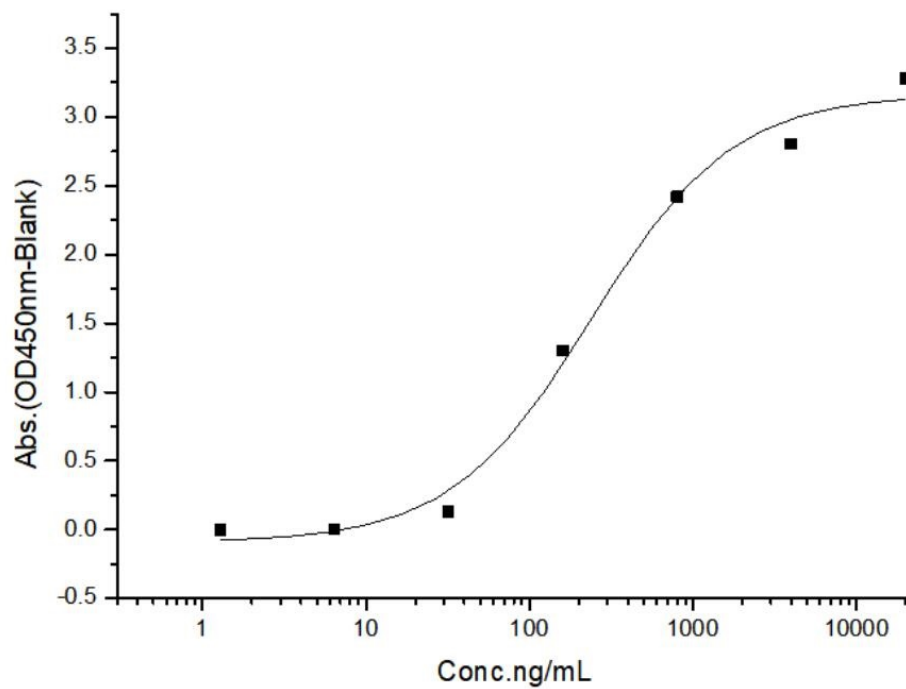
Recombinant Human LAG3 Protein, No Tag, Biotinylated

Product Information

Cat	IMP-4789
Official Symbol	LAG3
Product Overview	Recombinant LAG3 (P18627) (Met1-Arg440) was expressed. The expressed protein was biotinylated in vitro.
Description	LAG3 (Lymphocyte Activating 3) is a Protein Coding gene. 2 alternatively spliced human isoforms have been reported. LAG3, also known as CD223 and Lymphocyte activation gene 3, belongs to the immunoglobulin (Ig) superfamily. The LAG3 gene contains 8 exons. It is selectively expressed in activated T and NK cells. LAG3 contains 4 extracellular Ig-like domains and 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 signaling, leading to increased antigen-specific T-cell responses in vivo. Diseases associated with LAG3 include Smoldering Myeloma and Kyphoscoliotic Heart Disease.
Expression System	HEK293
Species	Human
Tag	No Tag
Predicted N Terminal	Leu 23
Form	Lyophilized from sterile PBS, pH7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant human LAG3 consists of 418 amino acids and predicts a molecular mass of 45.3 kDa. As a result of glycosylation, it migrates as an approximately 55.6 KDa band in SDS-PAGE under reducing conditions.
Protein length	Met1-Arg440
Endotoxin	< 1.0 EU/μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
SDS-PAGE	



Bioactivity-ELISA 1



Immobilized Human LAG3, Biotinylated at 2 μ g/mL (100 μ L/well) can bind Human FGL1 (hFc Tag), the EC50 is 150-700 ng/mL.