Genomeditech (Shanghai) Co., Ltd.
Order: +86 021-50432825/50432826
Email: service@genomeditech.com

Product Sheet

Human LAG3 Protein; His Tag

GM-88637RP-100 / 100 μg
GM-88637RP-1000 / 1 mg

Product Information

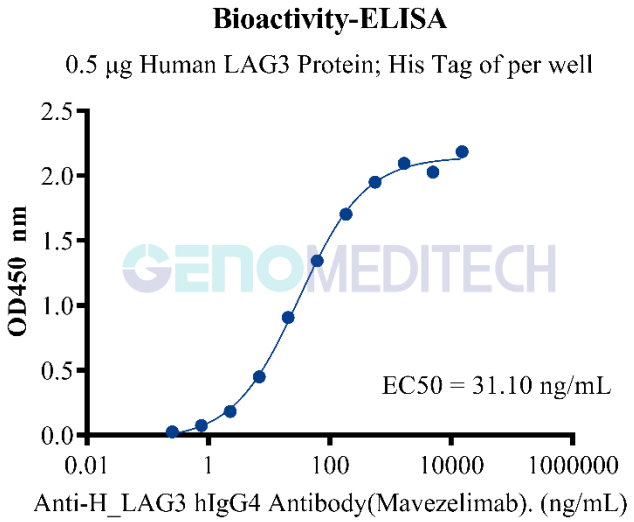
Product Name	Human LAG3 Protein; His Tag
Source	Human LAG3 Protein; His Tag (GM-88637RP) is expressed from human 293 cells (HEK-293). It contains AA Leu 23 - Leu 450 (Accession # P18627-1). This protein carries a His tag at the C-terminus.
Predicted MW	47.0 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of 0.02% Polysorbate 80, PBS, pH 7.2 - 7.4
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	LAG3, CD223, FDC
Background	Lymphocyte activation gene 3 (LAG-3, CD223) is an inhibitory immune checkpoint receptor of the immunoglobulin superfamily expressed on activated CD4+ and CD8+ T cells and on regulatory T cells. Its ectodomain contains four tandem Ig-like domains forming homodimers that laterally engage major histocompatibility complex class II molecules, with fibrinogen-like protein 1 serving as an additional ligand. Ligand binding promotes ubiquitination of the cytoplasmic KIEELE motif, liberating the membrane-tethered RRFSALE motif to form condensates with CD3E and disrupt CD3E-LCK coupling, thereby blunting T cell receptor signaling. Tumors exploit this pathway to evade immune destruction, whereas combined LAG-3 and PD-1 blockade reverses T cell exhaustion in cancer immunotherapy.

Version 4.0.26.1020

Genomeditech

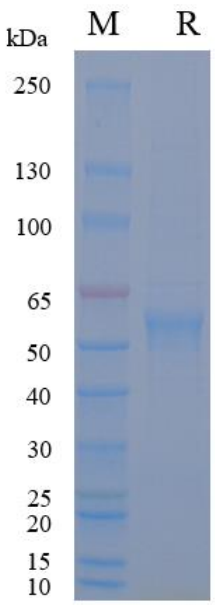
Data

Affinity



Human LAG3 Protein; His Tag (Catalog # GM-88637RP) was immobilized at 5 μg/ml (100 μl/well). Increasing concentrations of Anti-H_LAG3 hIgG4 Antibody(Mavezelimab) (Catalog # GM-28753AB) were added.

Purity



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Related Products

Lag3	
H_LAG3 Reporter Jurkat Cell Line	Cynomolgus_LAG3 CHO-K1 Cell Line
H_LAG3 CHO-K1 Cell Line	H_LAG3 HEK-293 Cell Line
Rhesus_LAG3 CHO-K1 Cell Line	
Anti-H_LAG3 hIgG4 Antibody(Mavezelimab)	Anti-Lag3 hIgG4 Antibody(IMP-7)

Anti-Lag3 hIgG4 Antibody(Relatlimab)	

Genomeditech