

Cynomolgus MSLN(296-580) Protein; His Tag

Product Information

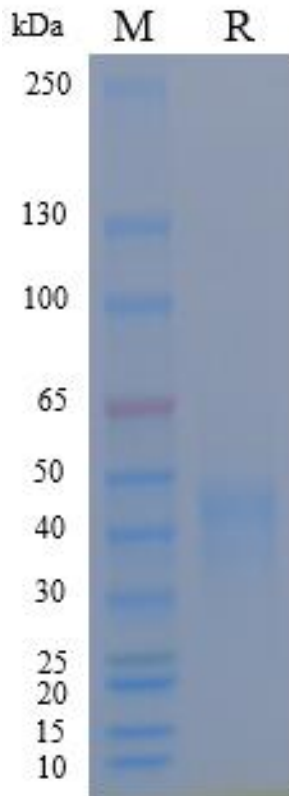
Product Name	Cynomolgus MSLN(296-580) Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88729RP-100 / 100 μg GM-88729RP-1000 / 1 mg

Protein Information

Alternative Names	Mesothelin, MPF
Source	Cynomolgus MSLN(296-580) Protein; His Tag (GM-88729RP) is expressed from human 293 cells (HEK-293). It contains AA Asp 296 - Gly 580 (Accession # A0A2K5TW94-1). This protein carries a His tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	32.7 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	MSLN protein, full name Mesothelin, is an important cell surface glycoprotein and a member of the mesothelin family. MSLN protein is normally expressed at low levels on the mesothelial cells lining the pleura, peritoneum, and pericardium, where it plays a crucial role in cell adhesion, intercellular signaling, and tissue development, although its precise physiological function remains to be fully elucidated. Currently, several MSLN-targeted therapeutic strategies have been developed or are under investigation in preclinical and clinical settings, including monoclonal antibodies (e.g., amatuximab), antibody-drug conjugates (ADCs, e.g., anatumab ravtansine), immunotoxins (e.g., SS1P), chimeric antigen receptor (CAR)-T cell therapies, and bispecific T-cell engagers (BiTEs). In summary, MSLN protein plays a pivotal role in tumor progression and is an important biomarker for cancer diagnosis and targeted therapy. It holds great significance for understanding the molecular mechanisms of tumor invasion and metastasis, developing novel immunotherapeutic strategies, and evaluating patient prognosis across multiple solid tumor types.

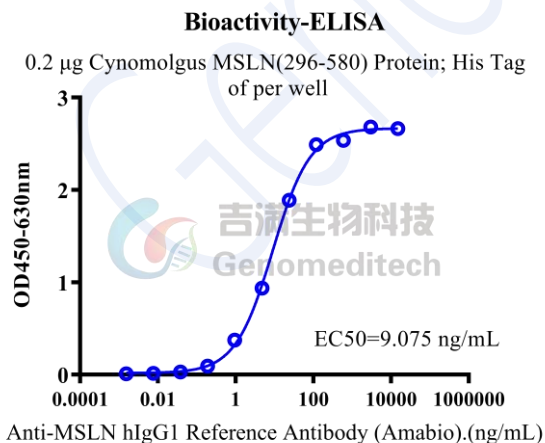
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SDS-PAGE

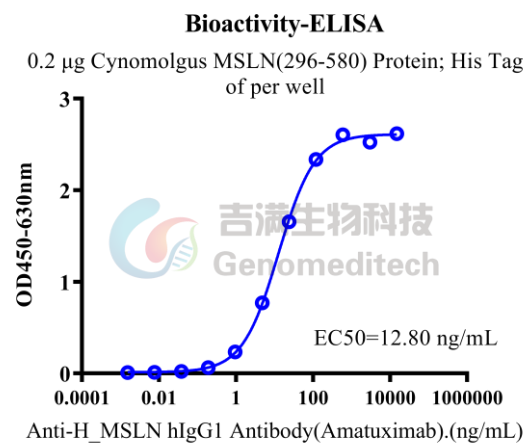


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Cynomolgus MSLN(296-580) Protein; His Tag (Catalog # GM-88729RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-MSLN hIgG1 Reference Antibody (Amabio) (Catalog # GM-88111MAB) were added.



Cynomolgus MSLN(296-580) Protein; His Tag (Catalog # GM-88729RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-H_MSLN hIgG1 Antibody (Amatuximab) (Catalog # GM-24027AB) were added.