Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
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Cynomolgus Tissue Factor(CD142) Protein; His Tag

Product Information

Product Name	Cynomolgus Tissue Factor(CD142) Protein; His Tag
Storage temp	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.
Catalog# / Size	**GM-88605RP-100 / 100 μg** **GM-88605RP-1000 / 1 mg**

Protein Information

Alternative Names	Coagulation Factor III, TF, F3
Source	Cynomolgus Tissue Factor(CD142) Protein; His Tag (GM-88605RP) is expressed from human 293 cells (HEK-293). It contains AA Ser 33 - Glu 252 (Accession # A0A2K5VX02-1). This protein carries a His tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Predicted Mol Mass	25.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	Tissue Factor protein is a transmembrane glycoprotein that belongs to the cytokine receptor superfamily. It is encoded by the F3 gene and is a protein associated with the human hemostatic and immune systems. Tissue Factor protein was initially discovered in blood vessel walls and various extravascular tissues, and later detected on monocytes, macrophages, and tumor cells. Tissue Factor protein regulates the activity of the coagulation cascade by binding to Factor VII/VIIa (FVII/FVIIa) in the blood. FVII/FVIIa is an important serine protease enzyme with the ability to initiate the extrinsic coagulation pathway, leading to thrombin generation and fibrin clot formation, making it a crucial component of the hemostatic system. Research indicates that Tissue Factor protein plays a significant role in regulating blood coagulation, promoting thrombosis, and modulating inflammatory responses. Additionally, the aberrant expression of Tissue Factor protein is associated with tumor progression, angiogenesis, metastasis, and venous thromboembolism (VTE) in cancer patients, making it a potential target for anticoagulant therapy and cancer treatment, including tumor-targeting drug delivery systems and antibody-drug conjugates (ADCs).

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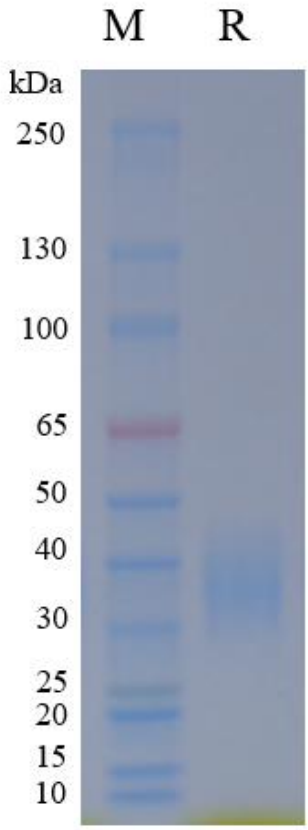
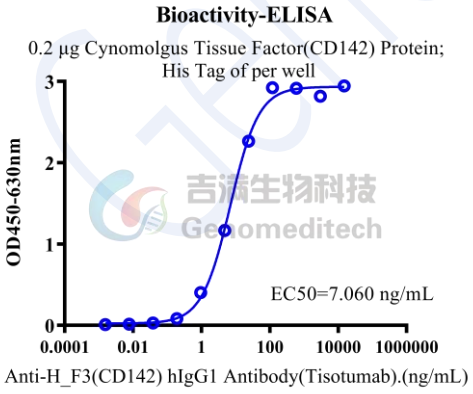
SDS-PAGE

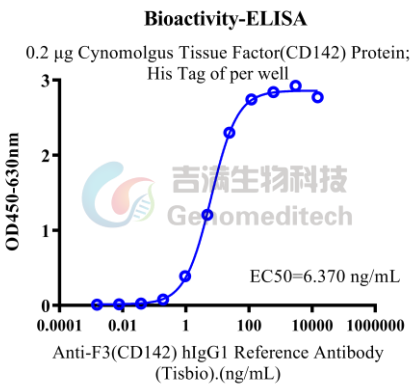


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Cynomolgus Tissue Factor(CD142) Protein; His Tag (Catalog # GM-88605RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-H_F3(CD142) hIgG1 Antibody (Tisotumab) (Catalog # GM-28928AB) were added.



Cynomolgus Tissue Factor(CD142) Protein; His Tag (Catalog # GM-88605RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-F3(CD142) hIgG1 Reference Antibody (Tisbio) (Catalog # GM-87834MAB) were added.

Version:4.0