

Human Tissue Factor(CD142) Protein; His Tag

Product Information

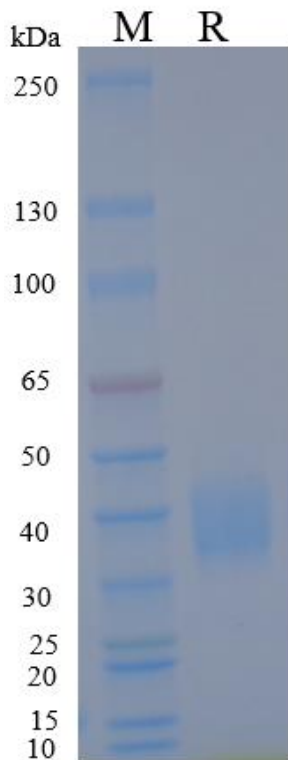
Product Name	Human Tissue Factor(CD142) Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Catalog# / Size	GM-88710RP-100 / 100 μg GM-88710RP-1000 / 1 mg
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Protein Information

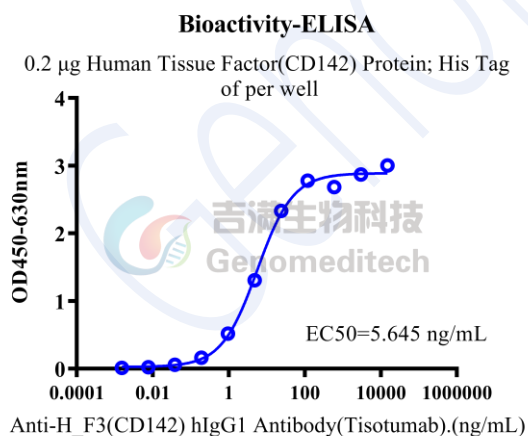
Alternative Names	TF, F3, CD142
Source	Human Tissue Factor(CD142) Protein; His Tag (GM-88710RP) is expressed from human 293 cells (HEK-293). It contains AA Ser 33 - Glu 251 (Accession # P13726-1). This protein carries a His tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	25.6 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	Tissue Factor protein, full name Coagulation Factor III, also known as CD142, Thromboplastin, or F3, is an important cell surface glycoprotein and a member of the cytokine receptor superfamily. Tissue Factor protein plays a crucial role in initiating the extrinsic coagulation cascade by binding to and activating coagulation Factor VII, thereby regulating hemostasis, thrombosis, and wound healing in normal physiological conditions. Currently, Tissue Factor-targeted therapeutic strategies have shown significant clinical promise, with the antibody-drug conjugate (ADC) Tisotumab Vedotin (Tivdak®) being approved for the treatment of recurrent or metastatic cervical cancer. In summary, Tissue Factor protein plays a pivotal role in tumorigenesis and cancer progression, and holds great significance for understanding tumor biology, identifying novel therapeutic targets, developing targeted ADCs and combination therapies, and evaluating patient prognosis in cancer-associated thrombosis and malignancy.

SDS-PAGE

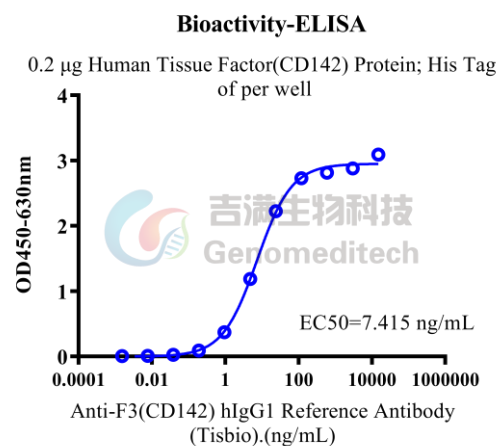


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Human Tissue Factor(CD142) Protein; His Tag (Catalog # GM-88710RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-H_F3(CD142) hIgG1 Antibody (Tisotumab)(Catalog # GM-28928AB) were added.



Human Tissue Factor(CD142) Protein; His Tag (Catalog # GM-88710RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-F3(CD142) hIgG1 Reference Antibody (Tisbio) (Catalog # GM-87834MAB) were added.