Canine Coagulation Factor III/Tissue Factor Protein

TFR-DM101

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Description	
Source	Recombinant Canine Coagulation Factor III/Tissue Factor Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Thr35-Glu248.
Accession	Q4W6L5
Molecular Weight	The protein has a predicted MW of 25.41 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt80°C for 3-6 months after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Background	
	Tissue factor (also named Coagulation Factor III) is a cell surface glycoprotein responsible for initiating the extrinsic pathway of coagulation. Tissue factor is the primary cellular initiator of blood coagulation via interaction with coagulation factor VII. Aberrant expression of tissue factor is responsible for thrombosis during septic shock, atherosclerosis and cancer.
Assav Data	

Bis-Tris PAGE

Cat. No.



Canine Coagulation Factor III on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Canine Coagulation Factor III/Tissue Factor Protein

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Assay Data

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The purity of Canine Coagulation Factor III is greater than 95% as determined by SEC-HPLC.