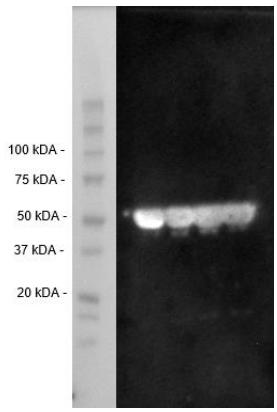
CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Tissue factor, Human, clone CLB/TF-5		
Catalog number	HM2346-20UG		
Lot number	-	**Expiry date**	-
Volume	200 µl	**Amount**	20 µg
Formulation	0.2 µm filtered in 20 mM TRIS, 150 mM NaCL, pH 8.0.	**Concentration**	100 µg/ml
Host Species	Mouse IgG1	**Conjugate**	None
Endotoxin	N.A.	**Purification**	Protein A
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #						1		
Yes				●		●		●
No								
N.D.	●	●	●		●		●	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot



W: Western blot analysis of soluble Tissue Factor. Lane 1, 2, 3 and 4 are respectively Human pooled citrate plasma, heparine plasma, EDTA plasma and serum.

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- FC: The antibody stains intra- and extracellular.
- W: A reduced sample treatment and SDS-Page was used. Human serum and plasma was used and bands of ~50 and 26kDa were found.

General Information

Description The monoclonal antibody clone CLB/TF-5 recognize human soluble tissue factor (also known as coagulation factor III, tissue thromboplastin or CD142). This protein activates the blood clotting system by binding to, and activating, the plasma serine protease, factor VIIa, following vascular injury. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed on cell surfaces. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. Because of its essential role in hemostasis, tissue factor plays a role in pathology associated with hemostasis, triggering the coagulation system in many thrombotic diseases and the coagulopathies associated with sepsis and other forms of disseminated intravascular coagulation. Recent research has also implicated tissue factor in a variety of nonhemostatic roles, including cell signaling, inflammation, vasculogenesis, and tumor growth and metastasis.

Aliases Coagulation factor III, CD142, Thromboplastin

References

1. Keller, T et al; Tissue factor serum levels and the risk of future coronary artery disease in apparently healthy men and women: the EPIC-Norfolk prospective population study. Journal of Thrombosis and Haemostasis 2006, *4*: 2391

Storage&stability Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

Precautions For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC	Date
Brenda Teunissen	28/12/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.