

recombinant human Tissue Factor (TF)

Product No. ADG45

Description

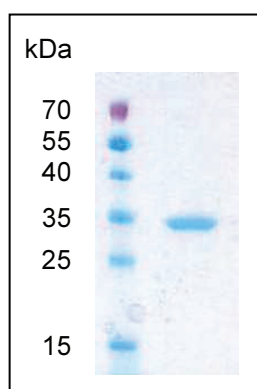
Tissue Factor (TF) is a 45 kDa transmembrane cell surface glycoprotein known for its role in initiating coagulation for the past 90 years.⁽¹⁾ TF is comprised of three domains: an extracellular domain (aa 1-219), followed by a hydrophilic spanning domain (aa 220-242) and a cytoplasmic tail (aa 243-263).⁽²⁾ It functions as a receptor and cofactor for the latent serine proteases factor VII and VIIa.^(3,4) Contact between TF and blood is sufficient to initiate the extrinsic pathway of coagulation.

Preparation

ADG45 is full length recombinant human tissue factor. The protein consists of amino acids 1-263, comprising the extracellular, transmembrane and cytoplasmic domains. It is produced by an E. coli expression system.

Purity

Estimated at greater than 98% per SDS gel electrophoresis and silver staining. ADG45 appears as a single band at approximately 35 kDa.



Activity

The procoagulant activity was demonstrated in a chromogenic Tissue Factor activity assay (ACTICHROME® TF assay, product no. 846).

Presentation

Screw capped vial containing 25 µg of purified human tissue factor in PBS pH 7.4. See vial label for lot-specific concentration.

Storage

Store frozen at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

References

1. Untersuchungen über Blutgerinnung. Loeb, L. Beitr Chem Physiol Pathlo 1904, 5: 534-557.
2. Crystal structure of the extracellular region of human tissue factor. Harlos, K., et al. Nature 1994, 370: 662-666.
3. Purification of Human Brain Tissue Factor. Broze, G. J., et al. Journal of Biological Chemistry 1985, 260: 10917-10920.
4. Regulation of the Tissue Factor Pathway. Rapaport, S. I. Annals of the New York Academy of Science 1991; 614:51-62.

Distributed by:

LOXO GMBH

IMMUNOLOGIE • MOLEKULARBIOLOGIE
BIOCHEMIE • PRODUKTE UND SYSTEME

Gerhart-Hauptmann-Str. 48
69221 Dossenheim

Tel +49 6221 868023

Fax +49 6221 8680255

www.loxo.de - info@loxox.de

Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.
The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

For research use only!

ADG45©08072019