

Product Specification Sheet

Tissue Factor (TIF) Antibody

Cat. # TIF11-M	Mouse monoclonal Anti-human TIF IgG (aff pure) FORM: Soln Lyophilized	SIZE: 100 ug
Cat. # TIF12-C	Recombinant Human Tissue factor protein control for WB	SIZE: 100 ul

Tissue factor (TF) is the membrane receptor for coagulation factors VII and VIIa and is a cell-surface initiator of coagulation. It is the major molecule of this type and is critical for controlling hemostasis, thrombosis, and inflammation. TF is not generally present in or on cells within the vasculature, but following vascular injury, blood can come into contact with TF expressed by extravascular cells, resulting in activation of the coagulation cascade.

Source of Antigen and Antibodies

Antigen	Purified apo-protein of human tissue factor (47 kda)
Location	Within the extracellular domain
Ab Host/type	Mouse, monoclonal (IgG1)
Ab Format	Aff pure IgG (Cat #TIF11-M) in 200 mM mannitol, 150 mM PBS, pH 7.4 at 1 mg/ml
2-ab	Goat Anti-mouse IgG-HRP conjugate Cat # 40320 (AP, biotin, FITC conjugates also available)
-ve control	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

Human Tissue factor was expressed in Sf9 cells and purified (>95%). For Western blot +ve control (**Cat # TIF12-C**) is supplied in SDS-PAGE sample buffer (reduced). Load 10 ul/lane of **TIF12-C** for good visibility with antibody Cat # **TIF12-S**. Store at -20oC in suitable size aliquots. SDS may crystallize in cold conditions. It should redissolve by warming before taking it from the stock. It should be heated once prior to loading on gels. If the product has been stored for several weeks, then it may be preferable to add 5 ul of fresh 2x sample buffer per 10 ul of the **TIF12-C** solution prior to heating and loading on gels. This preparation is not biologically active. It is not suitable for ELISA or other applications where native protein is required. Do not freeze, thaw, or heat repeatedly

Recommended Usage

Western Blotting (1:1K-5K for neat serum and 1-10 ug/ml for affinity pure using Chemiluminescence technique). Major form TIF is ~47-50 kda.

ELISA (1:10K-1:100K; using 50-100 ng of control antigen/well).

Histochemistry: We recommend the use of 2:20 ug/ml of affinity pure antibody (1). Suitable for frozen sections, paraffin sections.

Specificity & Cross-reactivity

Specific for epitope locus I. Recognizes reduced and native, non-reduced human and primate tissue factor. This antibody does not inhibit coagulation or neutralize factor VII binding to TF. Significant reactivity with tissue factor from species other than human and primate has not been established.

General References (1) Veltrop MH et al (2001) Infect. Immu. 69, 2797; Contrino J et al (1994) Am. J. Pathol. 145, 1315; Morrissey JH et al (1988) Thromb. Res. 52, 247

Form & Storage of Antibodies/Peptide Control

Affinity pure IgG
100 ug/100ul solution lyophilized powder
Supplied in **Buffer:** PBS+0.1% BSA
Reconstitute powder in PBS at 1mg/ml

Storage
Short-term: unopened, undiluted liquid vials at -20oC and powder at 4oC or -20oC..

Long-term: at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20oC or below.
Shipping: 4oC for solutions and room temp for powder.

*This product is for In vitro research use only.

Related material available from ADI

Ant-Beta amyloid 1-40, 1-42, APP, Parkin, Synucleins (α , β , γ), Presenilins 1, 2, BACE/Asp2 and BACE2/Asp1

TIF11-M, TIF12-C 70309A

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