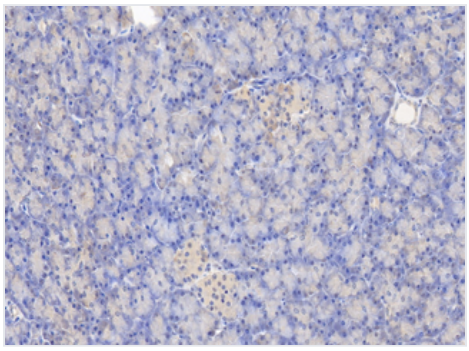
Tissue Factor (TF) Antibody – Mouse

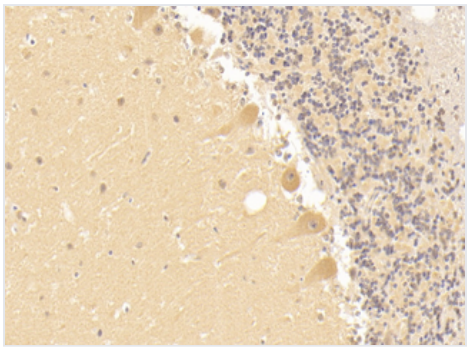
PRODUCT OVERVIEW

Product Name	Tissue Factor (TF), Antibody
Full Product Name	Monoclonal Antibody to Tissue Factor (TF)
Product Gene Name	anti-TF antibody
Isotype	IgG2b Kappa
Clone Number	C9
Host	Mouse
Form/Format	Liquid; Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	1 mg/mL (lot specific)
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 24 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: TF Clone #C9 (MBS2012591) Immunogen: TF (MBS2010710)
Matching Pairs	Unconjugated Antibody: TF Clone #C9 (MBS2012591) APC-CY7 Conjugated Antibody: TF Clone #C9 (MBS2107175)
Matching Pairs	Unconjugated Antibody: TF Clone #C9 (MBS2012591) PE Conjugated Antibody: TF Clone #C9 (MBS2107177)
Matching Pairs	Unconjugated Antibody: TF Clone #C9 (MBS2012591) APC Conjugated Antibody: TF Clone #C9 (MBS2107179)
Matching Pairs	Unconjugated Antibody: TF Clone #C9 (MBS2012591) Cy3 Conjugated Antibody: TF Clone #C9 (MBS2107181)
Matching Pairs	Unconjugated Antibody: TF Clone #C9 (MBS2012591) Biotin Conjugated Antibody: TF Clone #C9 (MBS2107183)
Matching Pairs	Unconjugated Antibody: TF Clone #C9 (MBS2012591) FITC Conjugated Antibody: TF Clone #C9 (MBS2107185)
Matching Pairs	Unconjugated Antibody: TF Clone #C9 (MBS2012591) HRP Conjugated Antibody: TF Clone #C9 (MBS2107187)
Chromosome Location	Chromosome: 1; NC_000001.10 (94994732..95007413, complement). Location: 1p22-p21
OMIM	134390
3D Structure	ModBase 3D Structure for P13726
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

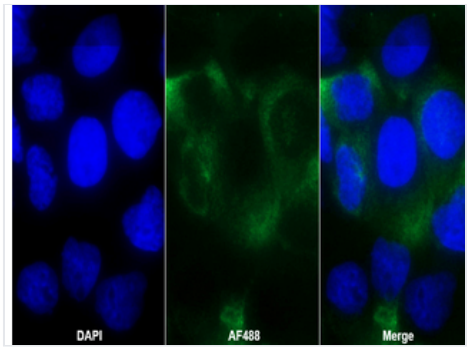
Source	Monoclonal antibody preparation
Immunogen	Recombinant Tissue Factor (Gly34~Glu251) expressed in E.coli
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-TF antibody	Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-TF antibody	Immunohistochemistry: 5-30ug/mL Immunofluorescence: 5-20ug/mL Optimal working dilutions must be determined by end user.
Related Product Information for anti-TF antibody	MBS2012591 is an antibody targeting TF. Also known as Monoclonal Antibody to Tissue Factor (TF). Host: Mouse.
Other Notes	Small volumes of anti-TF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-TF antibody
DAB staining on IHC-P;Samples: Human Pancreas Tissue;Primary Ab: 10ug/ml Mouse Anti-Human TF AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



Immunohistochemistry (IHC) of anti-TF antibody
DAB staining on IHC-P;Samples: Human Cerebellum Tissue;Primary Ab: 30ug/ml Mouse Anti-Human TF AntibodySecond Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



Immunofluorescence (IF) of anti-TF antibody
AF488 staining on IF;Sample: A431 cellPrimary Ab: 20ug/ml Mouse Anti-Human TF AntibodySecond Ab: 2ug/ml AF488-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TF. It may not necessarily be applicable to this product.

NCBI GI #	339508
NCBI GeneID	2152
NCBI Accession #	AAA36734.1
UniProt Primary Accession #	P13726
UniProt Secondary Accession #	Q6FHG2; Q86WH4; D3DT47

UniProt Related Accession #	P13726
NCBI Official Full Name	tissue factor
NCBI Official Synonym Full Names	coagulation factor III (thromboplastin, tissue factor)
NCBI Official Symbol	F3
NCBI Official Synonym Symbols	TF; TFA; CD142
UniProt Protein Name	Tissue factor
UniProt Synonym Protein Names	Coagulation factor III; Thromboplastin
Protein Family	Tissue factor
UniProt Gene Name	F3
UniProt Synonym Gene Names	TF
UniProt Entry Name	TF_HUMAN
NCBI Protein Information	tissue factor
NCBI Summary for TF	This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. 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. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
UniProt Comments for TF	F3: Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited protolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade. Interacts with HSPE; the interaction, inhibited by heparin, promotes the generation of activated factor X and activates coagulation in the presence of activated factor VII. TF expression is highly dependent upon cell type. TF can also be induced by the inflammatory mediators interleukin 1 and TNF-alpha, as well as by endotoxin, to appear on monocytes and vascular endothelial cells as a component of cellular immune response. Lung, placenta and pancreas. Belongs to the tissue factor family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Cell surface Chromosomal Location of Human Ortholog: 1p22-p21 Cellular Component: extracellular matrix; extracellular space; cell surface; plasma membrane; integral to membrane Molecular Function: hematopoietin/interferon-class (D200-domain) cytokine receptor activity; protein binding; protease binding; phospholipid binding Biological Process: caspase activation; activation of blood coagulation via clotting cascade; positive regulation of protein kinase B signaling cascade; blood coagulation, extrinsic pathway; activation of plasma proteins during acute inflammatory response; positive regulation of angiogenesis; positive regulation of positive chemotaxis; cytokine and chemokine mediated signaling pathway; positive regulation of endothelial cell proliferation; blood coagulation; positive regulation of cell migration
Research Articles on TF	**1.** an interaction between p27(Kip1) and TF in important pathological alterations such as atherosclerosis and vascular remodeling
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