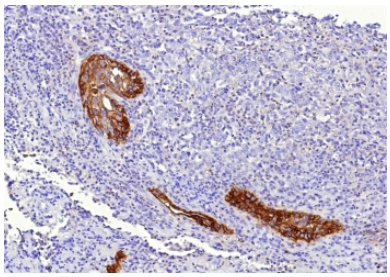
F3 Antibody / Tissue Factor / CD142 [clone CD142/9196] (V5691)

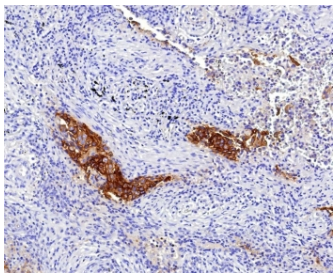
Catalog No.	Formulation	Size
V5691-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5691-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5691SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CD142/9196
Purity	Protein G affinity
UniProt	P13726
Localization	Secreted, membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
Limitations	This F3 antibody is available for research use only.



IHC staining of FFPE human lung tissue with Tissue Factor antibody (clone CD142/9196). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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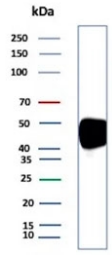
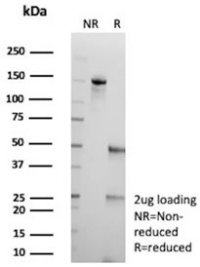


Western blot testing of human A431 cell lysate with F3 antibody (clone CD142/9196). Expected molecular weight: 33-50 kDa depending on glycosylation level.



SDS-PAGE analysis of purified, BSA-free F3 antibody (clone CD142/9196) as confirmation of integrity and purity.

Description

Hemostasis following tissue injury involves the deployment of essential plasma procoagulants (Prothrombin and Factors X, IX, V and VIII), which are involved in a blood coagulation cascade leading to the formation of insoluble fibrin clots and the promotion of platelet aggregation. Coagulation Factor V (Factor V, FV, proaccelerin, labile factor) is a 2,196 amino acid, single chain glycoprotein that is cleaved by Thrombin to yield an active, Ca2+-dependent dimer that is essential to the blood coagulation cascade. Together with catalytic Factor Xa and Ca2+ on the surface of platelets or endothelial cells, Factor Va coordinates into a prothrombinase complex, which mediates proteolysis of Prothrombin into active Thrombin. Tissue factor (TF), also designated coagulation Factor III) is a cell surface glycoprotein that enables cells to initiate blood coagulation cascades. It functions as a high-affinity receptor for coagulation Factor VII.

Application Notes

Optimal dilution of the F3 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 50-250 from human Tissue Factor protein was used as the immunogen for the F3 antibody.

Storage

Aliquot the F3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.