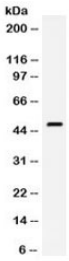
CD142 Antibody / Tissue Factor (R32003)

Catalog No.	Formulation	Size
R32003	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P20352
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This CD142 antibody is available for research use only.



CD142 Antibody Mouse Lung WB. Western blot testing of mouse lung lysate with CD142 antibody. Expected molecular weight ~33/45-50 kDa (unmodified/glycosylated).

Description

CD142 Antibody specifically detects Tissue factor, also called platelet tissue factor, factor III, or F3. 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.

Additional studies involving coagulation signaling, inflammatory tumor microenvironments, and procoagulant pathway activation may benefit from our Tissue Factor antibody page featuring clone CD142/9195 for cancer and vascular biology research.

Application Notes

Optimal dilution of the CD142 antibody should be determined by the researcher.

Immunogen

Amino acids 29-294 of mouse CD142/F3 were used as the immunogen for the CD142 antibody.

Storage

After reconstitution, the CD142 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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