

## Product datasheet for **SM2300F**

### Tissue Factor (F3) Mouse Monoclonal Antibody [Clone ID: CLB/TF-5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CLB/TF-5
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10µl of diluted antibody to label 1x10 <sup>6</sup> cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises CD142. The CLB/TF-5 antibody has been used successfully in an ELISA assay as a <i>floating antibody</i> in association with clone CLB/TF-1 (Cat.-No AM01050PU-N), which recognises a different epitope of CD142.
Formulation:	Tris buffered saline, pH 8.0 Label: FITC State: Liquid purified IgG fraction. Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein Isothiocyanate Isomer I
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A from tissue culture supernatant.
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	coagulation factor III, tissue factor
Database Link:	<a href="#">Entrez Gene 2152 Human P13726</a>



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**Background:**

CD142 is a 45kD cell surface glycoprotein which is otherwise known as Tissue Factor (TF). CD142 expression can be induced on monocytes, macrophages and endothelial cells by various stimuli including interleukin 1, tumour necrosis factor and endotoxin. CD142 initiates the blood clotting cascade by binding coagulation factor VIIa, which activates factor IX or factor X by specific limited proteolysis. CD142 also plays an important role in inflammation, angiogenesis, and the pathophysiology of atherosclerosis and cancer.

**Synonyms:**

TF, F3, Coagulation factor III, Thromboplastin