

Monoclonal Antibody to CD142 / Tissue factor - FITC

Alternate names:	Coagulation factor III, F3, TF, Thromboplastin
Catalog No.:	SM2300FT
Quantity:	25 µg
Concentration:	0.1 mg/ml
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.
Uniprot ID:	P13726
NCBI:	NP_001984.1
GeneID:	2152
Host / Isotype:	Mouse / IgG1
Clone:	CLB/TF-5
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography on Protein A from tissue culture supernatant. Buffer System: Tris buffered saline, pH 8.0 containing Preservatives: 0.09% Sodium Azide Stabilizers: 1% BSA Label: FITC – Fluorescein Isothiocyanate Isomer I
Applications:	Flow Cytometry: Use 10µl of diluted antibody (1/10) to label 1x10 ⁶ cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD142. The CLB/TF-5 antibody has been used successfully in an ELISA assay as a <i>coating antibody</i> in association with clone CLB/TF-1 (Cat.-No AM01050PU-N), which recognises a different epitope of CD142. Species: Human. Other species not tested.
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. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Product Citation: 1. Raymond C. Rancourt, Livia A. Veress, XiaoLing Guo, Tara N. Jones, Tara B. Hendry-Hofer, and Carl W. White: Airway tissue factor-dependent coagulation activity in response to sulfur mustard analog 2-chloroethyl ethyl sulfide; Am J Physiol Lung Cell Mol Physiol, Jan 2012; 302: L82 - L92.

General References: 1. van der Putten, R.F. et al. (2005) High-affinity antibodies in a new immunoassay for plasma tissue factor: reduction in apparent intra-individual variation. Clin. Chem. Lab. Med. 43:1386-1391.

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