

Datasheet for ABIN7505856
anti-Tissue factor antibody (APC)



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2 Images

Overview

Quantity:	100 tests
Target:	Tissue factor (F3)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Tissue factor antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD142 APC
Immunogen:	Human brain tissue factor (CD142)
Clone:	HTF-1
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody HTF-1, also known as HTF1-7B8, recognizes an extracellular epitope of CD142 (tissue factor, coagulation factor III), a type I glycoprotein expressed on endothelial cells, monocytes, macrophages, and platelets upon induction by inflammatory mediators, and expressed constitutively by some tumors, the vasculature, placenta, kidney, and central nervous system.
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

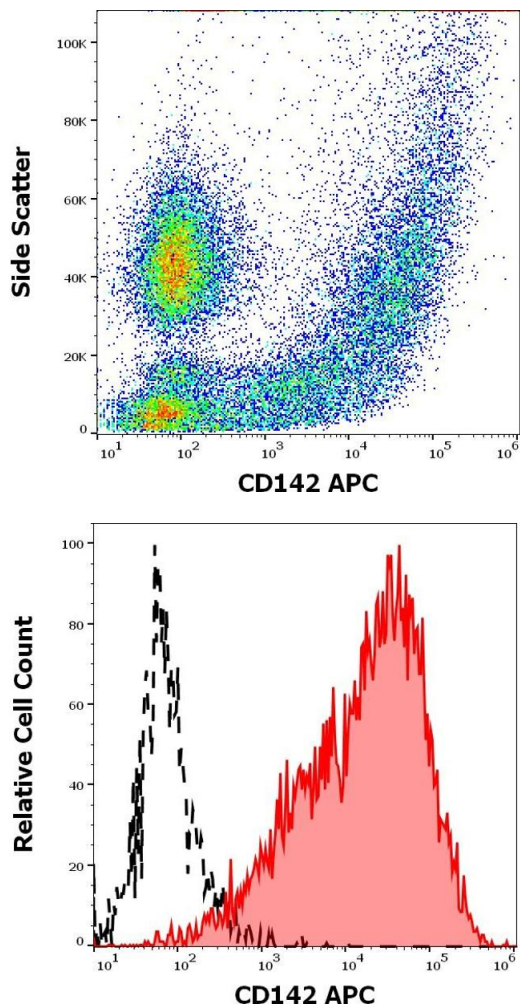
Target:	Tissue factor (F3)
Alternative Name:	CD142 (F3 Products)
Background:	Coagulation factor III, tissue factor,CD142, also known as coagulation factor III, tissue thromboplastin, and tissue factor. It is a transmembrane glycoprotein, which enables cells to initiate the blood coagulation cascades, and 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. It is the only one factor in the coagulation pathway for which a congenital deficiency has not been described.,F3, tissue factor, tissue thromboplastin, coagulation factor III, TF, TFA
Gene ID:	2152
UniProt:	P13726
Pathways:	Positive Regulation of Endopeptidase Activity , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Restrictions:	For Research Use only

Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood spiked with A431 cells stained using anti-human CD142 (HTF-1) APC antibody (10 µL reagent / 100 µL of sample - peripheral whole blood spiked with A431 cells).

Flow Cytometry

Image 2. Separation of A431 cells (red-filled) from human lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood spiked with A431 cells stained using anti-human CD142 (HTF-1) APC antibody (10 µL reagent / 100 µL of sample - peripheral whole blood spiked with A431 cells).