

Datasheet for ABIN6240826

## anti-Tissue factor antibody (PE)



[Go to Product page](#)

### 2 Images

#### Overview

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

#### Product Details

Purpose:	Anti-Hu CD142 PE
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.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:	Tissue factor (F3)
Alternative Name:	CD142 ( <a href="#">F3 Products</a> )
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:	<a href="#">P13726</a>
Pathways:	<a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a>

## 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 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Restrictions:	For Research Use only

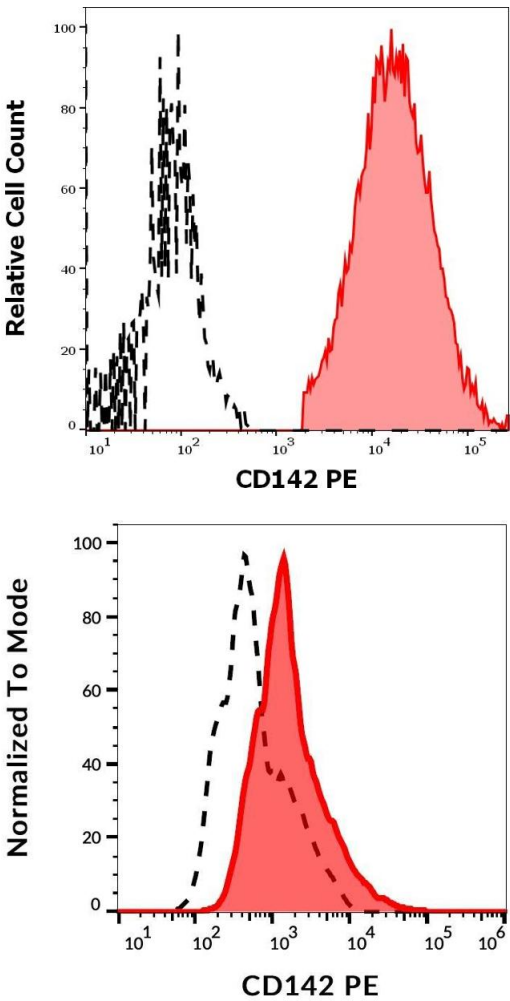
## Handling

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.
Handling Advice:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage:	4 °C

Handling

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images



Flow Cytometry

**Image 1.** Separation of A431 cells (red-filled) from Jurkat cells (black-dashed) in flow cytometry analysis (surface staining) of cellular suspension stained using anti-human CD142 (HTF-1) PE antibody (10 µL reagent per million cells in 100 µL of cell suspension).

Flow Cytometry

**Image 2.** Surface staining of PHA activated human peripheral blood cells using anti-CD142 (HTF-1) PE.