

anti-Human CD142 Antibody | anti-CD142 antibody

Anti-Hu CD142 APC

CATALOG # AAA129303	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
-------------------------------	----------------------------	---

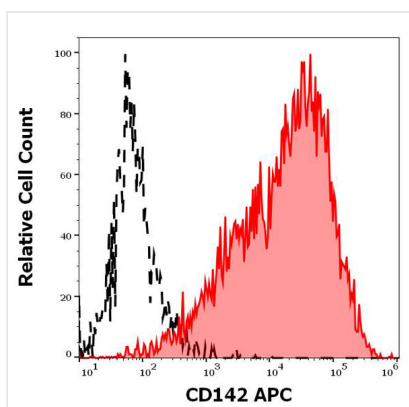
PRODUCT SYNONYMS

CD142; Anti-Hu CD142 APC; coagulation factor III; tissue factor; F3; tissue thromboplastin; TF; TFA; anti-CD142 antibody

PRODUCT SPECIFICATIONS

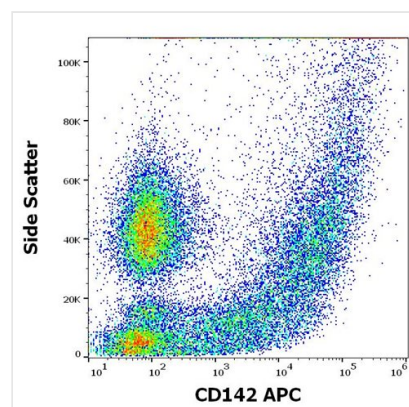
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	HTF-1
Specificity	The mouse monoclonal antibody HTF-1, also known as HTF1-7B8, recognizes an extracellular epitope of CD142 (tissue factor, coagulation factor III), a type I glycoprotein expressed on endothelial cells, monocytes, macrophages, and platelets upon induction by inflammatory mediators, and expressed constitutively by some tumors, the vasculature, placenta, kidney, and central nervous system.
Form/Format	APC Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 m
Applicable Applications for anti-CD142 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human brain tissue factor (CD142)
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

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 μ l reagent / 100 μ l of sample - peripheral whole blood spiked with A431 cells).



FCM/FACS (Flow Cytometry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CD142 antibody	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.
References	*Bucciarelli P, Martinelli I, Artoni A, Passamonti SM, Previtali E, Merati G, Tripodi A, Mannucci PM: Circulating microparticles and risk of venous thromboembolism. <i>Thromb Res.</i> 2012 May;129(5):591-7, URL: https://www.ncbi.nlm.nih.gov/pubmed/21908018,*Patil R, Ghosh K, Satoskar P, Shetty S: Elevated procoagulant endothelial and tissue factor expressing microparticles in women with recurrent pregnancy loss. <i>PLoS One.</i> 2013 Nov 20;8(11):e81407., URL: https://pubmed.ncbi.nlm.nih.gov/24278436/,*Aass HC, Øvstebø R, Trøseid AM, Kierulf P, Berg JP, Henriksson CE: Fluorescent particles in the antibody solution result in false TF- and CD14-positive microparticles in flow cytometric analysis. <i>Cytometry A.</i> 2011 Dec;79(12):990-9. doi: 10.1002/cyto.a.21147., URL: https://www.ncbi.nlm.nih.gov/pubmed/21990118,*Carson SD, Ross SE, Bach R, Guha A: An inhibitory monoclonal antibody against human tissue factor. <i>Blood.</i> 1987 Aug;70(2):490-3., URL: https://www.ncbi.nlm.nih.gov/pubmed/3607285,*Faulk WP, Labarrere CA, Carson SD: Tissue factor: Identification and characterization of cell types in human placenta. Volume 76, Issue 1, 1 July 1990, Pages 86-96., URL: https://www.sciencedirect.com/science/article/pii/S0006497120842633,*Virtanen S, Schulte R, Stingl J, Caldas C, Shehata M: High-throughput surface marker screen on primary human breast tissues reveals further cellular heterogeneity. <i>Breast Cancer Res.</i> 2021 Jun 13;23(1):66., URL: https://pubmed.ncbi.nlm.nih.gov/34120626/,

NCBI AND UNIPROT INFORMATION

NCBI GI #	296010912
NCBI GeneID	2152
NCBI Accession #	NP_001171567.1
NCBI GenBank Nucleotide #	NM_001178096.1
UniProt Accession #	P13726; Q6FHG2; Q86WH4; D3DT47
Molecular Weight	33,068 Da
NCBI Official Full Name	tissue factor isoform 2
NCBI Official Synonym Full Names	coagulation factor III (thromboplastin, tissue factor)
NCBI Official Symbol	F3
NCBI Official Synonym Symbols	TF; TFA; CD142
NCBI Protein Information	tissue factor
UniProt Protein Name	Tissue factor
UniProt Gene Name	F3
UniProt Synonym Gene Names	TF
UniProt Entry Name	TF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/human-antibody/cd142/129303>