

Mouse anti-Human CD142 Monoclonal Antibody | anti-CD142 antibody

Anti-Hu CD142 Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129091	Mouse	Human	Immunohistochemistry, Immunocytochemistry, Western Blot, Flow Cytometry, Functional Assay

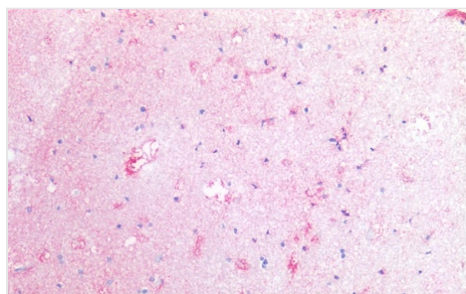
PRODUCT SYNONYMS

CD142; Monoclonal Antibody; Anti-Hu CD142 Purified; F3; tissue factor; tissue thromboplastin; coagulation factor III; TF; TFA; anti-CD142 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
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.
Purity/Purification	Purified by protein-A affinity chromatography
Form/Format	Purified. Phosphate buffered saline (PBS) solution with 15mM sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD142 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry)
Immunogen	Human brain tissue factor (CD142)
Preparation and Storage	Store at 2-8 degree C. Do not freeze. Do not use after expiration date stamped on the label.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry staining of human cortex (paraffin-embedded sections) with anti-CD142 (HTF-1), 10 ug/ml. Commercially tested by LifeSpan BioSciences.

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 Functional Application (FUNC)tions 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 Application (FUNC)tional precursors, this factor is a potent initiator that is fully Functional Application (FUNC)tional 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. Thromb Res. 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. PLoS One. 2013 Nov 20;8(11):e81407., URL: <a 21990118"="" href="https://www.ncbi.nlm.nih.gov/pubmed/term=patil+r+,*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. Cytometry A. 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. Blood. 1987 Aug;70(2):490-3., URL: https://www.ncbi.nlm.nih.gov/pubmed/3607285

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/monoclonal/cd142-antibody-clone-htf-1-immunohistochemistry-immunocytochemistry-western-blot-flow-cytometry-elisa/129091>