

ARG66229 anti-Tissue Factor antibody [HTF-1]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [HTF-1] recognizes Tissue Factor
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, ICC/IF, IHC-P, WB
Specificity	This antibody recognizes 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.
Host	Mouse
Clonality	Monoclonal
Clone	HTF-1
Isotype	IgG1
Target Name	Tissue Factor
Species	Human
Immunogen	Human brain tissue factor (CD142).
Conjugation	Un-conjugated
Alternate Names	Thromboplastin; Tissue factor; TFA; CD142; TF; Coagulation factor III; CD antigen CD142

Application Instructions

Application table	Application	Dilution
	FACS	3 - 12 µg/ml
	FuncSt	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-P	10 µg/ml
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

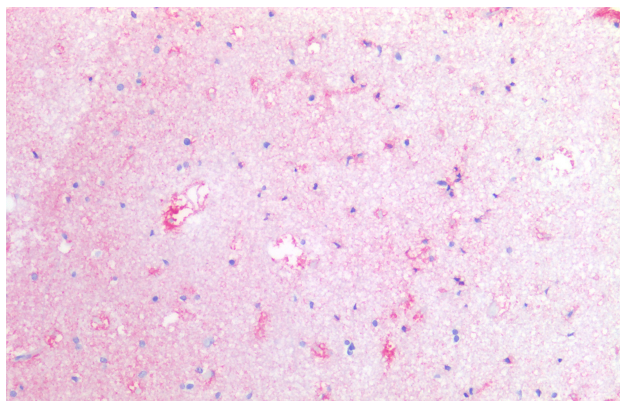
Form	Liquid
Purification	Purification with Protein A.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide.

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	F3
Gene Full Name	coagulation factor III (thromboplastin, tissue factor)
Background	This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it 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. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
Function	Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade. [UniProt]
Calculated Mw	33 kDa (unmodified); 45-50 kDa (glycosylated)

Images



ARG66229 anti-Tissue Factor antibody [HTF-1] IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue stained with ARG66229 anti-Tissue Factor antibody [HTF-1] at 10 µg/ml dilution.