Mouse Factor XIIIa (Coagulation Factor XIIIA Chain) Monoclonal Antibody | anti-F13A1 antibody

Factor XIIIa (Coagulation Factor XIIIA Chain)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62973	**Mouse**	**Human. Others not known.**	**Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA**

PRODUCT SYNONYMS

Factor XIIIa (Coagulation Factor XIIIA Chain); Monoclonal Antibody; Coagulation factor XIII A chain; Coagulation factor XIII A1 polypeptide; Coagulation factor XIIIa; F13A; F13a1; Factor XIIIA; Fibrin stabilizing factor; A subunit; Fibrinoligase; FSF; Protein-glutamine gamma-glutamyltransferase A chain; TGase; Transglutaminase A chain; Transglutaminase. plasma; anti-F13A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	F13A1/1448
Specificity	It recognizes a protein of 83kDa, which is identified as Factor XIIIa. It has been identified in platelets, megakaryocytes, and fibroblast-like mesenchymal or histiocytic cells in the placenta, uterus, and prostate, monocytes and macrophages and dermal dendritic cells. Anti-factor XIIIa has been found to be useful in differentiating between dermatofibroma (almost all cases are positive), dermatofibrosarcoma protuberans (-/+) and desmoplastic malignant melanoma (-). Anti-factor XIIIa positivity is also seen in capillary hemagioblastoma, hemangioendothelioma, hemangiopericytoma, xanthogranuloma, xanthoma, hepatocellular carcinoma, glomus tumor, and meningioma.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	732
Applicable Applications for anti-F13A1 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Immunogen	Recombinant fragment of human Factor XIIIa protein (aa46-181)
Cellular Localization	Cytoplasmic and Secreted
Hu-chromosome Location	6p25.3-p24.3
Positive Control	293T Cells. Placenta.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

SDS_PAGE
SDS-PAGE Analysis Purified Factor XIIIa Mouse Monoclonal Antibody (F13A1/1448). Confirmation of Integrity and Purity of Antibody.

Application Data
Analysis of Protein Array containing more than 19, 000 full-length human proteins using Factor XIIIa Mouse Monoclonal Antibody (F13A1/1448)Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

WB (Western Blot)
Western Blot Analysis of Recombinant Protein and HeLa Cell Lysate usingFactor XIIIa Mouse Monoclonal Antibody (F13A1/1448).

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Histiocytoma stained withFactor XIIIa Mouse Monoclonal Antibody (F13A1/1448).

ADDITIONAL INFORMATION

References	Davie, EW. et al. 1991. The coagulation cascade: initiation, maintenance, and regulation. Biochemistry 30: 10363-10370.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395709
NCBI GeneID	2162
NCBI Accession #	NP_000120.2
NCBI GenBank Nucleotide #	NM_000129.3
UniProt Accession #	P00488; Q59HA7; Q8N6X2; Q96P24; Q9BX29
Molecular Weight	83kDa
NCBI Official Full Name	coagulation factor XIII A chain
NCBI Official Synonym Full Names	coagulation factor XIII A chain
NCBI Official Symbol	F13A1
NCBI Official Synonym Symbols	F13A
NCBI Protein Information	coagulation factor XIII A chain
UniProt Protein Name	Coagulation factor XIII A chain
UniProt Gene Name	**F13A1**
UniProt Synonym Gene Names	F13A; Coagulation factor XIIIa

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/factor-xiiia-coagulation-factor-xiiia-chain-antibody-clone-f13a1-1448-immunohistochemistry-western-blot-