

## Anti-Factor XIIIa Antibody [F13A1/1448] (A248512)

### Specifications:

Name:	Anti-Factor XIIIa Antibody [F13A1/1448]
Description:	Mouse monoclonal [F13A1/1448] antibody to Factor XIIIa.
Specificity:	The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000 full-length human proteins. 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 hemangioblastoma, hemangioendothelioma, hemangiopericytoma, xanthogranuloma, xanthoma, hepatocellular carcinoma, glomus tumor, and meningioma.
Applications:	ELISA, Flow Cytometry, IF, WB, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 46-181, of human Factor XIIIa protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	F13A1/1448
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

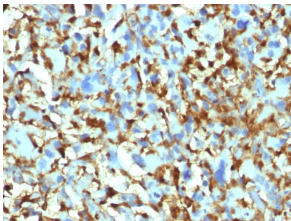
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## Specifications continued:

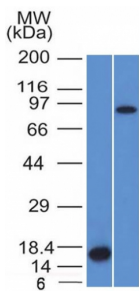
**General Notes:** This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Factor XIIIa Antibody [F13A1/1448] - BSA and Azide free (A251694).

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

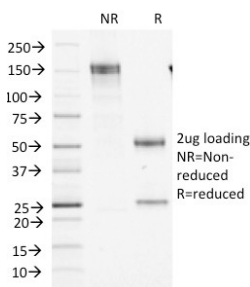
## Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human histiocytoma using Anti-Factor XIIIa Antibody [F13A1/1448].



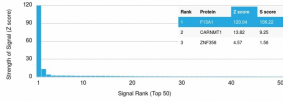
Western blot analysis of recombinant Factor XIIIa protein and HeLa cell lysate using Anti-Factor XIIIa Antibody [F13A1/1448].



SDS-PAGE analysis of Anti-Factor XIIIa Antibody [F13A1/1448] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.

## Anti-Factor XIIIa Antibody [F13A1/1448] (A248512)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-Factor XIIIa Antibody [F13A1/1448]. Z-Score 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 HuProt™ 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 HuProt™ 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 be 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.