

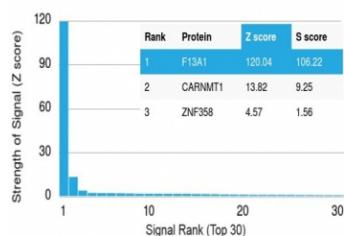
## Factor XIIIa Antibody [clone F13A1/1448] (V3499)

| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V3499-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V3499-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V3499SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V3499IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

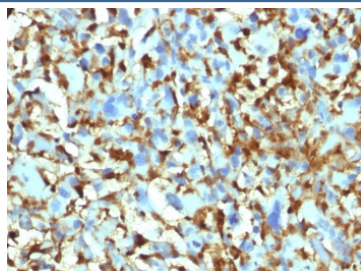
[Bulk quote request](#)

|                    |                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                                                                                                                                                           |
| Species Reactivity | Human                                                                                                                                                                                                                       |
| Format             | Purified                                                                                                                                                                                                                    |
| Clonality          | Monoclonal (mouse origin)                                                                                                                                                                                                   |
| Isotype            | Mouse IgG2b, kappa                                                                                                                                                                                                          |
| Clone Name         | F13A1/1448                                                                                                                                                                                                                  |
| Purity             | Protein G affinity chromatography                                                                                                                                                                                           |
| UniProt            | P00488                                                                                                                                                                                                                      |
| Localization       | Cytoplasmic, secreted                                                                                                                                                                                                       |
| Applications       | ELISA : 2-4ug/ml (order BSA/azide-free format)<br>Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells<br>Immunofluorescence : 0.5-1ug/ml<br>Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| Limitations        | This Factor XIIIa antibody is available for research use only.                                                                                                                                                              |

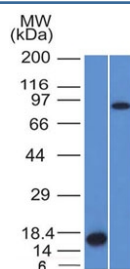
Human Protein Microarray Specificity Validation



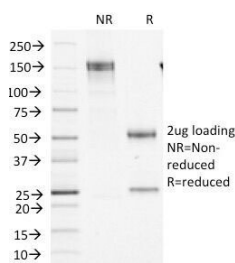
Protein array validation of the Factor XIIIa antibody: Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Factor XIIIa antibody (clone F13A1/1448). These results demonstrate the foremost specificity of the F13A1/1448 mAb. <BR>Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC testing of FFPE human histiocytoma with Factor XIIIa antibody (clone F13A1/1448). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



Western blot testing of 1) partial human recombinant protein and 2) human HeLa lysate with Factor XIIIa antibody (clone F13A1/1448). Expected molecular weight ~83 kDa.



SDS-PAGE Analysis of Purified, BSA-Free Factor XIIIa Antibody (clone F13A1/1448). Confirmation of Integrity and Purity of the Antibody.

## Description

Factor XIIIa 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.

## Application Notes

Titration of the Factor XIIIa antibody may be required for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## **Immunogen**

A human partial recombinant protein corresponding to amino acids 46-181 was used as the immunogen for the Factor XIIIa antibody.

## **Storage**

Store the Factor XIIIa antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).