

Mouse Anti-Factor XIII A [SPM180]: MC0251, MC0251RTU7

Intended Use: For Research Use Only

Description: Factor XIII in both reduced and non-reduced forms. It does not react with human Factor XIII B-chain or human Factor XII. Factor XIII is a Beta-globulin found in plasma and is composed of two subunits. Factor XIII-A is the catalytic subunit and is a dimer of M.W. 160kDa. Factor XIII is present in plasma as an alpha2Beta2 heterodimer (M.W. 320kDa); whereas in platelets, only the alpha2 unit exists. Factor XIIIa is a dermal dendrocyte marker and shows variable reaction with these types of tumors. It can be used for histiocytic phenotyping and has been reported to mark capillary hemangiomas and tumors of the central nervous system. Factor XIII has also been used with CD34 to differentiate between dermatofibroma and dermatofibrosarcoma protuberans.

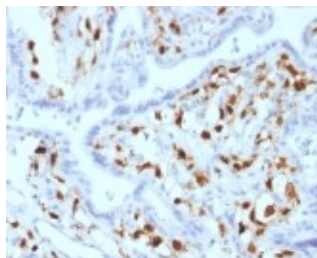
Specifications:

Clone: SPM180
 Source: Mouse
 Isotype: IgG2b/k
 Reactivity: Human
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

Description	Catalog No.	Size
Factor XIII A Concentrated	MC0251	1 ml
Factor XIII A Prediluted	MC0251RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Spleen, fibrous histiocytoma
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



FFPE human placenta stained with anti-Factor XIIIa using DAB

References:

1. Association of coagulation factor XIII-A with Golgi proteins within monocyte-macrophages: implications for subcellular trafficking and secretion. Cordell PA, et al. 115:2674-81, 2010.
2. Regulation of gene expression by PI3K in mouse growth plate chondrocytes. Ulici V, et al. PLoS One 5:e8866, 2010.
3. Fibrofolliculoma/trichodiscoma and fibrous papule (perifollicular fibroma/angiofibroma): a reevaluation of the histopathological and immunohistochemical features. Misago N, et al. J Cutan Pathol 36:943-51, 2009.

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Rev. A