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DATA SHEET

Mouse Anti-Tenascin C [T2H5]: MC0495, MC0495RTU7

Intended Use: For Research Use Only

Description: Tenascin C is a high molecular weight, multifunctional, hexameric extracellular matrix glycoprotein expressed in association with mesenchymal epithelial interactions during development and in the neovasculature and stroma of undifferentiated tumors. It has been described under a variety of names: cytotactin, hexabrachion protein, J1, myotendinous antigen (MI) and glioma mesenchymal extracellular matrix (GMEM). The tenascin molecule is a disulfide-linked hexamer. The expression of tenascin is associated with development and growth, both normal and pathological, whereas the distribution in normal adult tissue is restricted. Tenascin C is a multifunctional, disulfide-linkedhexameric extracellular matrix glycoprotein expressed in association with mesenchymal epithelial interactions during development and in the neo-vasculature and stroma of undifferentiated tumors. In adults, it is restricted to certain epithelial-stromal interfaces and increases markedly in hyper-proliferative diseases and in stroma of many neoplasms, including gliomas, breast, squamous and lung carcinomas.

Specifications:

Clone:	T2H5
Source:	Mouse
Isotype:	IgG1
Reactivity:	Human
Immunogen:	Protein preparation from a homogenate of a human mammary tumor specimen
Immunogen:	Human breast carcinoma
Localization:	Connective tissue matrix
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

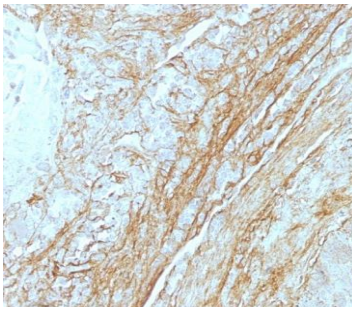
Package:

Description	Catalog No.	Size
Tenascin C Concentrated	MC0495	1 ml
Tenascin C Prediluted	MC0495RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Tonsil or squamous cell carcinoma
Concentrated Dilution:	25-100
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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 lung cancer stained with anti-Tenascin C using DAB

References:

1. Tenascin-C is an innate broad-spectrum, HIV-1-neutralizing protein in breast milk. Fouda GG et al. Proc Natl Acad Sci USA 110:18220-5, 2013.
2. Can lineage-specific markers be identified to characterize mesenchyme-derived cell populations in the human airways? Singh SR, et al. Am J Physiol Lung Cell Mol Physiol 299:L169-83, 2010.
3. Tenascin-C as a prognostic biomarker in osteosarcoma? Xiong W et al. Chin Med J (Engl) 122:2737-43, 2009.

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