

Anti- human Tenascin-C (clone CB-TNX)

Catalog No: MP-AA-10

BACKGROUND

Tenascin-C (TN-C) is an extracellular matrix glycoprotein with a unique six-armed structure. This glycoprotein modulates reciprocal interactions between epithelia and mesenchyma during embryogenesis and contributes to stem cell niches. Furthermore it is an endogenous activator of innate immunity. It occurs in multiple alternatively spliced isoforms, regulated in a temporal-spatial manner. Several evidences indicate TN-C as a stromal marker of transformation of a number of malignancies, thus representing a stable target for targeted therapies.

PRODUCT

1. Each vial contains the indicated amount of IgG (HPLC purified) in 0,1% gelatine and 0,05% NaN₃.
2. Unpurified reagent is provided at the indicated amounts with 0.1% NaN₃.
Centrifuge the vial prior to use.

SPECIFICITY

The murine monoclonal antibody CN-TNX (IgG1) obtained using as immunogen a mixture of freshly purified cells from human gliomas, recognizes Tenascin-C as indicated by competitive binding with anti Tenascin-C isoform specific antibodies (ref.2).

STORAGE

Store frozen, avoid repeated freeze-thawing. Stable for 2 yrs.

SHIPPING CONDITIONS

Room temperature.

RESEARCH USE

This antibody is for laboratory research use only, not for human or in-vivo use.

APPLICATIONS

Immunohistochemistry (fluorescence, enzymatic)
Acetone fixed sections or cytopins (10-20 µg/ml). Staining of paraffin embedded tissue requires antigen retrieving by microwave oven (750 W), in buffer citrate pH 6.0 (10 min). Use BSA (1 %) in PBS as blocking agent for 30 min. Recommended antibody concentration: 10 µg/ml during overnight incubation.

REFERENCES

1. *Int J Cancer* (1989) **4**: 66.
 2. *Int J Cancer* (1990) **46**: 586.
 3. *Int J Cancer* (1991) **47**: 811.
 4. *Int J Cancer* (1992) **51** : 1.
 5. *Int J Cancer* (1992) **52**: 688.
 6. *Int.J.Cancer* (1995) **61**:509.
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