



# Tenascin C (Tenascin-C, TNC, TN-C, TN, Cytotactin, Glioma-associated Extracellular Matrix Antigen, GMEM, GP-150-225, Hexabrachion, HXB, J1, Myotendinous Antigen, Neuronectin)

## Catalog number

T2550-01B

## Supplier

United States Biological

Tenascin 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.

## Applications

Suitable for use in ELISA, Western Blot, Immunoprecipitation and Immunohistochemistry. Other applications not tested.

## Recommended Dilutions

ELISA: 1:1000-1:2000

Immunohistochemistry (Paraffin/frozen): Staining of paraffin sections may be enhanced using trypsin digestion or heat mediated antigen retrieval using sodium citrate buffer pH 6.0.

Optimal dilutions to be determined by the researcher.

## Positive Control

Human tonsil

## Recommended Secondary Antibodies

I1904-06C: IgG, H&L (HRP) (X-Adsorbed) Pab Gt xMo

I1904-06H IgG, H&L (HRP) (X-Adsorbed) Pab Gt xMo

I1904-14C: IgG, Fc (HRP) Pab Gt xMo

I1904-19C: IgG, F(ab')<sub>2</sub> (HRP) Pab Gt xMo

## Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

## Immunogen

Purified protein from human mammary tumor.

## Formulation



Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.

**Purity**

Purified by Protein A affinity chromatography from tissue culture supernatant.

**Specificity**

Recognizes human Tenascin C in both normal and hyperproliferative (neoplastic) tissues.

**Product Type**

Mab

**Source**

human

**Isotype**

IgG1

**Grade**

Affinity Purified

**Applications**

E IHC IP WB

**Crossreactivity**

Hu

**Storage**

-20°C

**Reference**

1. Gulubova, M., Immunohistochemical localization of collagen type III and type IV, laminin, tenascin and alpha-smooth muscle actin (alphaSMA) in the human liver in peliosis. *Pathol Res Pract* 198: 803-812 (2002). 2. Ioachim, E. et al., Immunohistochemical expression of extracellular matrix components tenascin, fibronectin, collagen type IV and laminin in breast cancer: their prognostic value and role in tumour invasion and progression. *Eur J Cancer* 38: 2362-2370 (2002). 3. Faustino, A.M. et al., Tenascin expression in normal, hyperplastic, dysplastic and neoplastic canine mammary tissues. *J Comp Pathol* 126: 1-8 (2002). 4. Tokes, A.M. et al. Immunohistochemical localisation of tenascin in invasive ductal carcinoma of the breast. *Anticancer Res* 19 :175-179 (1999).