



[Go to Product page](#)

## Datasheet for ABIN6719799

### TNC ELISA Kit

#### Overview

Quantity:	1 kit
Target:	TNC
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	93.7 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.7 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric

**Characteristics:**

Synonyms: 150 225, Cytotactin, Glioma associated extracellular matrix antigen, Glioma-associated-extracellular matrix antigen, GMEM, GP 150 225, GP 150-225 GP, Hexabrachion, HXB, JI, MGC167029, Miotendinous antigen, Myotendinous antigen, Neuronectin, TENA\_HUMAN, Tenascin, Tenascin-C, Tenascin-C isoform 14/AD1/16, TenascinC, TN, TN C, TN-C, TNC

Background: Tenascin C (TN-C) is a glycoprotein that in humans is encoded by the TNC gene. It is expressed in the extracellular matrix of various tissues during development, disease or injury, and in restricted neurogenic areas of the central nervous system. Tenascin-C is the founding

## Product Details

member of the gene family (Tenascin). In the embryo it is made by migrating cells like the neural crest, it is also abundant in developing tendons, bone and cartilage. TN-C clearly plays a role in cell signaling as evidenced by its ability to be induced during events such as trauma, inflammation, or cancer development. Also, TN-C is important in regulating cell proliferation and migration, especially during developmental differentiation and wound healing.

Gene Name: TNC

Production: Natural and recombinant human Tenascin-C. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: G23-P625

## Target Details

Target:	TNC
Alternative Name:	Tenascin-C - TNC ( <a href="#">TNC Products</a> )
Gene ID:	3371
NCBI Accession:	<a href="#">NP_002151</a>
UniProt:	<a href="#">P24821</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/mL human Tenascin-C standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA) or urine to each empty well. It is recommended that each human Tenascin-C standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 93.7pg/mL-6000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

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Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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