

Datasheet for KOA0673**Human Tenascin-C - TNC ELISA Kit****Overview**

Description:	Human Tenascin-C/TNC AccuSignal ELISA Kit - KOA0673
Item No.:	KOA0673
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	93.7 pg/ml - 6000 pg/ml

Product Details

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 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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	93.7 pg/ml - 6000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TNC
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: G23-P625

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

Relevant Links:

- [UniProtKB - P24821](#)
- [NCBI - NP_002151.2](#)
- [GeneID - 3371](#)
- [KOA0673 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Anticoagulant: Heparin Sodium

Shipping & Handling

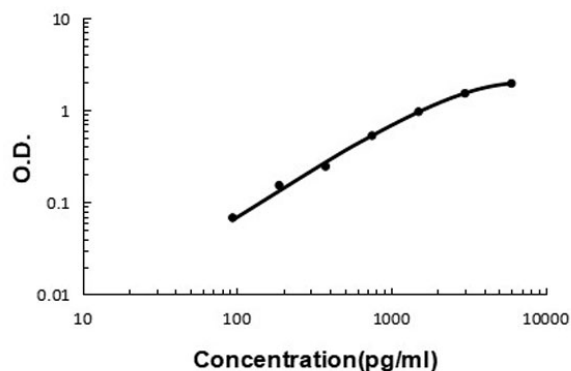
Shipping Condition: Wet Ice

Storage Condition: 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.

Expiration: See kit insert for complete instructions.

Images

Human TNC ELISA Kit



ELISA

Human Tenascin-C ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.