

Human Tenascin-C (TNC) ELISA Kit | TNC elisa kit

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CATALOG #
AAA331974

REACTIVITY
Human

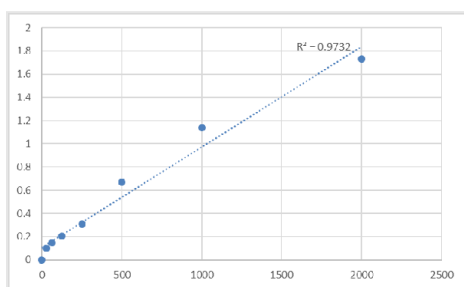
PRODUCT SYNONYMS

Tenascin-C (TNC); Human Tenascin-C (TNC) ELISA Kit; TNNC1; CMD1Z; TNC; TNNC; cardiac troponin C; slow twitch skeletal/cardiac muscle troponin C; troponin C; slow; troponin C1; TNC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tenascin-C (TNC) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNNC1. No significant cross-reactivity or interference between Human TNNC1 and analogues was observed.
Sequence Length	161
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Tenascin-C (TNC) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNC elisa kit	Description: This Human Tenascin-C (TNC) ELISA Kit employs a two-site sandwich ELISA to quantitate TNNC1 in samples. An antibody specific for TNNC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNNC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNNC1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNNC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Tenascin is an extracellular matrix protein with a spatially and temporally restricted tissue distribution. It is a hexameric, multidomain protein with disulfide-linked subunits of 190 to 240 kD, originally characterized as 'myotendinous antigen.' In the embryo it is present in dense mesenchyme surrounding developing epithelia, in tendon anlagen, and in developing cartilage and bone. In the adult tenascin remains present in tendons and myotendinous junctions in the perichondrium and periosteum, as well as in smooth muscle. Pearson et al. (1988) isolated cDNA clones coding for tenascin from a chicken fibroblast cDNA expression library using a specific tenascin antiserum. They showed induction of tenascin in vitro by fetal calf serum as well as by transforming growth factor-beta.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54042075
NCBI GeneID	7134
UniProt Accession #	P63316
NCBI Official Full Name	Troponin C, slow skeletal and cardiac muscles
NCBI Official Synonym Full Names	troponin C1, slow skeletal and cardiac type
NCBI Official Symbol	TNNC1
NCBI Official Synonym Symbols	TNC; TN-C; TNNC; CMD1Z; CMH13
NCBI Protein Information	troponin C, slow skeletal and cardiac muscles
UniProt Protein Name	Troponin C, slow skeletal and cardiac muscles
UniProt Gene Name	TNNC1
UniProt Synonym Gene Names	TNNC; TN-C
UniProt Entry Name	TNNC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.