

Canine Tenascin ELISA Kit | TN elisa kit

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CATALOG #
AAA94748

REACTIVITY
Canine

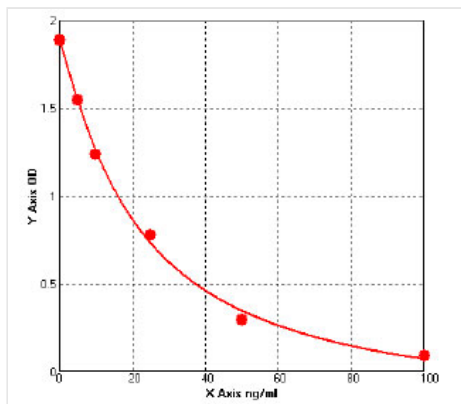
PRODUCT SYNONYMS

Tenascin; Canine Tenascin ELISA Kit; TN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of TN. No significant cross-reactivity or interference between TN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TN and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TN elisa kit	Intended Uses: This TN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TN. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TN antibody and an TN-HRP conjugate. The assay sample and buffer are incubated together with TN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TN concentration since TN from samples and TN-HRP conjugate compete for the anti-TN antibody binding site. Since the number of sites is limited, as more sites are occupied by TN from the sample, fewer sites are left to bind TN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TN concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TN elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	292826
NCBI GeneID	3371
Molecular Weight	171,360 Da
NCBI Official Full Name	tenascin, partial
NCBI Official Synonym Full Names	tenascin C
NCBI Official Symbol	TNC
NCBI Official Synonym Symbols	GP; JI; TN; HXB; GMEM; TN-C; DFNA56; 150-225
NCBI Protein Information	tenascin; GP 150-225; cytotactin; neuronectin; myotendinous antigen; hexabrachion (tenascin); tenascin-C isoform 14/AD1/16; tenascin-C additional domain 1; deafness, autosomal dominant 56; glioma-associated-extracellular matrix antigen
UniProt Protein Name	Tenascin
UniProt Gene Name	TNC
UniProt Synonym Gene Names	HXB; TN; TN-C
UniProt Entry Name	TENA_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.