



# Human Tenascin-X(TNXB) ELISA kit

<b>Product Code</b>	CSB-EL024036HU
<b>Abbreviation</b>	TNXB
<b>Protein Biological Process 1</b>	Cell Adhesion
<b>Target Name</b>	tenascin XB
<b>Uniprot No.</b>	P22105
<b>Alias</b>	DAAP-193O6.1, HXBL, TENX, TNX, TNXB1, TNXB2, TNXBS, XB, XBS, growth-inhibiting protein 45 hexabrachion-like tenascin XB1 tenascin XB2 tenascin-X
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Cell adhesion
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	46.88 ng/mL-3000 ng/mL
<b>Sensitivity</b>	11.7 ng/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Signal Transduction
<b>Gene Names</b>	TNXB
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

## Description

This Human TNXB ELISA Kit was designed for the quantitative measurement of Human TNXB protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 46.88 ng/mL-3000 ng/mL and the sensitivity is 11.7 ng/mL.

## Target Details

This gene encodes a member of the tenascin family of extracellular matrix glycoproteins. The tenascins have anti-adhesive effects, as opposed to fibronectin which is adhesive. This protein is thought to function in matrix maturation during wound healing, and its deficiency has been associated with the connective tissue disorder Ehlers-Danlos syndrome. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. It



is one of four genes in this cluster which have been duplicated. The duplicated copy of this gene is incomplete and is a pseudogene which is transcribed but does not encode a protein. The structure of this gene is unusual in that it overlaps the CREBL1 and CYP21A2 genes at its 5 and 3 ends, respectively. Multiple transcript variants encoding different isoforms have been found for this gene.

**Product Precision**
**Intra-assay Precision (Precision within an assay): CV%<8%**

Three samples of known concentration were tested twenty times on one plate to assess.

**Inter-assay Precision (Precision between assays): CV%<10%**

Three samples of known concentration were tested in twenty assays to assess.

**Linearity**

To assess the linearity of the assay, samples were spiked with high concentrations of human TNXB in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	93
	Range %	85-97
1:2	Average %	101
	Range %	95-105
1:4	Average %	92
	Range %	84-97
1:8	Average %	100
	Range %	92-105

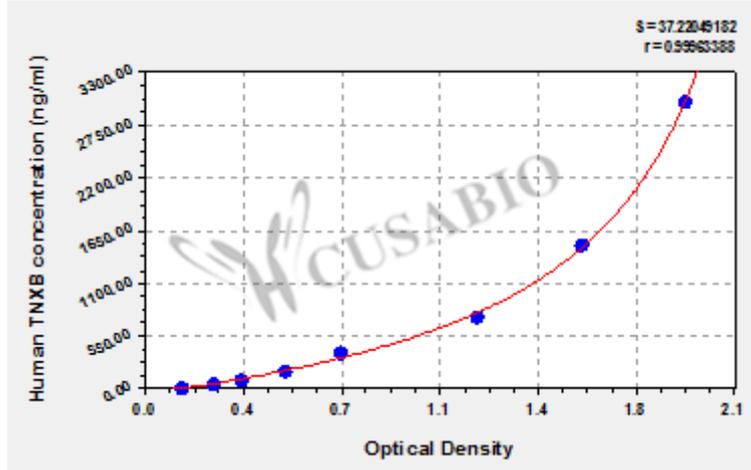
**Recovery**

The recovery of human TNXB spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	92	85-97
EDTA plasma (n=4)	94	88-99

**Typical**

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
3000	1.991	1.934	1.963	1.816
1500	1.609	1.576	1.593	1.446
750	1.230	1.200	1.215	1.068
375	0.732	0.712	0.722	0.575
187.5	0.530	0.507	0.519	0.372
93.75	0.369	0.355	0.362	0.215
46.88	0.261	0.257	0.259	0.112
0	0.149	0.145	0.147	?

**Msds**

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