

Human Tenascin-X (TNXB) ELISA Kit

Catalog No: #EK11354



Package Size: #EK11354-1 48T #EK11354-2 96T

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Description

Product Name	Human Tenascin-X (TNXB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DAAP-193O6.1; HXBL; TENX; TNX; TNXB1; TNXB2; TNXBS; XB; XBS; growth-inhibiting protein 45 hexabrachion-like tenascin XB1 tenascin XB2 tenascin-X
Accession No.	P22105
Uniprot	P22105
GeneID	7148;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.064 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate TNXB in samples. An antibody specific for TNXB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNXB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNXB 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 TNXB bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Tenascin X is 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.

Note: This product is for in vitro research use only