Human Tenascin-C (TNC) ELISA Kit

Catalog No: #EK11355

Package Size: #EK11355-1 48T #EK11355-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Tenascin-C (TNC) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CMD1Z; TNC; TNNC; cardiac troponin C|slow twitch skeletal/cardiac muscle troponin C|troponin C; slow|troponin C1; slow
Accession No.	P63316
Uniprot	P63316
GeneID	7134;
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:31.25-2000 pg/mL

Sensitivity:13.1 pg/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 TNNC1 in samples. An antibody specific for TNNC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNNC1 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.Product Overview:Tenascinis an extracellular matrix protein with a spatially and temporally restricted tissue distribution. It is a hexomeric, 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 .

Note: This product is for in vitro research use only