Human Dystrobrevin beta (DTNB) ELISA Kit

Catalog No: #EK10525

Package Size: #EK10525-1 48T #EK10525-2 96T

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

Description

Product Name	Human Dystrobrevin beta (DTNB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC17163; MGC57126; OTTHUMP00000201258
Accession No.	O60941
Uniprot	O60941
GeneID	1838;
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:0.053 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 DTNB in samples. An antibody specific for DTNB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDTNB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DTNB 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 DTNB bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Dystrobrevin beta, a component of the dystrophin-associated protein complex (DPC). The DPC consists of dystrophin and several integral and peripheral membrane proteins, including dystroglycans, sarcoglycans, syntrophins and dystrobrevin alpha and beta. The DPC localizes to the sarcolemma and its disruption is associated with various forms of muscular dystrophy. Dystrobrevin beta is thought to interact with syntrophin and the DP71 short form of dystrophin. Alternatively spliced transcript variants encoding different isoforms have been identified.The sarcoglycan complex is composed of 4 transmembrane glycoproteins: alpha-, beta-, gamma-, and delta-sarcoglycan, and a 25-kD protein 25DAP. Mutations in all 4 sarcoglycan genes have been found in patients with different forms of limb-girdle muscular dystrophy.

Note: This product is for in vitro research use only