Human Dysferlin (DYSF) ELISA Kit

Catalog No: #EK10517

Package Size: #EK10517-1 48T #EK10517-2 96T

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

Description

Product Name	Human Dysferlin (DYSF) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FER1L1; FLJ00175; FLJ90168; LGMD2B; OTTHUMP00000202233|OTTHUMP00000202234|OTTHUMP00000202235|OTTHUMP00000202236|OTTHUMP00000202237|OTTHUMP00000202240|dysferlin|dystrophy-associated fer-1-like 1
Accession No.	O75923
Uniprot	O75923
GeneID	8291;
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:12.5 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 DYSF in samples. An antibody specific for DYSF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDYSF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DYSF 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 DYSF bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Dysferlin is a protein linked with skeletal muscle repair. A defect in the dysferlin gene, chromosome location 2p12-14, results in either of two types of muscular dystrophy; Miyoshi myopathy (MM) and Limb-girdle muscular dystrophy type 2B (LGMD2B). A reduction or absence of dysferlin usually becomes apparent in the third or forth decade of life and is characterised by weakness and wasting of various voluntary skeletal muscles.

The Jain Foundation Inc. is focused on finding a cure for this specific disease. The foundation is sponsoring targeted research and helping educate the patients on the importance of determining the mutations in their dysferlin gene.

Note: This product is for in vitro research use only