Human Deoxyribonuclease-1-like 1 (DNASE1L1) ELISA Kit

Catalog No: #EK10550

Package Size: #EK10550-1 48T #EK10550-2 96T

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

Description

Product Name	Human Deoxyribonuclease-1-like 1 (DNASE1L1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	XX-FW83563B9.2; DNAS1L1; DNASEX; DNL1L; XIB; DNase I; lysosomal-like|DNase I-like; muscle-specific|DNase X|OTTHUMP00000031940|OTTHUMP00000032113
Accession No.	P49184
Uniprot	P49184
GeneID	1774;
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:0.057 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 DNASE1L1 in samples. An antibody specific for DNASE1L1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDNASE1L1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DNASE1L1 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 DNASE1L1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The transcript was present at highest levels in skeletal and cardiac muscle, with lower expression in other tissues. Mutation analysis was performed using DNA samples from 2 unrelated patients with Barth syndrome and from 11 unrelated patients with Emery-Dreifuss muscular dystrophy. No disease-associated mutations were detected in the coding region of the gene; however, Parrish et al. found a novel 190-bp insertion/deletion polymorphism in the 3-prime untranslated region. Translation of the long open reading frame found in the cDNA yielded a putative 302-amino acid protein with 37.6% identity to human DNase I.DNASE1L1 was predicted to contain a signal sequence at the amino terminus, a transmembrane domain near the carboxyl terminus, and a helix-loop-helix domain.

Note: This product is for in vitro research use only