Human Dynein heavy chain 11, axonemal (DNAH11) ELISA Kit

Catalog No: #EK10556

Package Size: #EK10556-1 48T #EK10556-2 96T

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Description

Product Name	Human Dynein heavy chain 11, axonemal (DNAH11) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CILD7; DNAHBL; DNAHC11; DNHBL; DPL11; FLJ30095; FLJ37699; dynein; axonemal; heavy polypeptide 11|dynein; ciliary; heavy chain 11|dynein; heavy chain beta-like
Accession No.	Q96DT5
Uniprot	Q96DT5
GeneID	8701;
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:0.312-20 ng/mL

Sensitivity:0.156 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 DNAH11 in samples. An antibody specific for DNAH11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDNAH11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DNAH11 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 DNAH11 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DNAH11 encodes a member of the dynein heavy chain family. It is a microtubule-dependent motor ATPase and has been reported to be involved in the movement of respiratory cilia. Mutations in this gene have been implicated in causing Kartagener Syndrome (a combination of situs inversus totalis and Primary Ciliary Dyskinesia (PCD), also called Immotile Cilia Syndrome 1 (ICS1)) and male sterility. The axonemal dyneins, found in cilia and flagella, are components of the outer and inner dynein arms attached to the peripheral microtubule doublets. DNAHC11 belongs to the putative axonemal outer dynein arm DHC group and is homologous to rat DLP11. RT-PCR assays indicated that DNAHC11 is expressed primarily in trachea and testis, 2 tissues containing axonemal structures.

Note: This product is for in vitro research use only