

Human Cytoplasmic dynein 2 heavy chain 1 (DYNC2H1) ELISA Kit

Catalog No: #EK10518

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Package Size: #EK10518-1 48T #EK10518-2 96T

Description

Product Name	Human Cytoplasmic dynein 2 heavy chain 1 (DYNC2H1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ATD3; DHC1b; DHC2; DNCH2; DYH1B; FLJ11756; hdhc11; DYNC2H1 variant protein cytoplasmic dynein 2 heavy chain dynein heavy chain; isotype 1B dynein; cytoplasmic; heavy chain-2 dynein; cytoplasmic; hea
Accession No.	Q8NCM8
Uniprot	Q8NCM8
GeneID	79659;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.124 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:Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate DYNC2H1 in samples. An antibody specific for DYNC2H1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DYNC2H1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DYNC2H1 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 DYNC2H1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**DYNC2H1 encodes a large cytoplasmic dynein protein that is involved in retrograde transport in the cilium and has a role in intraflagellar transport, a process required for ciliary/flagellar assembly. Mutations in this gene cause a heterogeneous spectrum of conditions related to altered primary cilium function and often involve polydactyly, abnormal skeletogenesis, and polycystic kidneys. Alternative splicing results in multiple transcript variants encoding distinct proteins.

The light intermediate chains, with molecular masses of 55 to 59 kD, are unique to cytoplasmic dynein and contain consensus ATPase elements. Both axonemal and cytoplasmic dyneins also contain light chains of 8 to 25 kD.

Note: This product is for in vitro research use only