

Human Dynein heavy chain domain-containing protein 1 (DNHD1) ELISA Kit



Catalog No: #EK10548

Orders: order@signalwayantibody.com

Package Size: #EK10548-1 48T #EK10548-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Dynein heavy chain domain-containing protein 1 (DNHD1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	C11orf47; CCDC35; DHCD1; DKFZp434G0812; DKFZp686J0796; DKFZp686N1238; DNHD1L; FLJ00251; FLJ32752; FLJ35709; FLJ39625; FLJ43897; FLJ46184; MGC133191; DNHD1 variant protein coiled-coil domain containi
Accession No.	Q96M86
Uniprot	Q96M86
GeneID	144132;
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:0.112 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 DNHD1 in samples. An antibody specific for DNHD1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDNHD1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DNHD1 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 DNHD1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DNHD1 Belongs to the dynein heavy chain family. Dynein was first isolated from Tetrahymena cilia four decades ago. The analysis of the primary structure of the dynein heavy chain and the discovery that many organisms express multiple dynein heavy chains have led to two insights. One, dynein, whose motor domain comprises six AAA modules and two potential mechanical levers, generates movement by a mechanism that is fundamentally different than that which underlies the motion of myosin and kinesin. And two, organisms with cilia or flagella express approximately 14 different dynein heavy chain genes, each gene encodes a distinct dynein protein isoform, and

each isoform appears to be functionally specialized. Sequence comparisons demonstrate that functionally equivalent isoforms of dynein heavy chains are well conserved across species.

Note: This product is for in vitro research use only