Human DnaJ homolog subfamily C member 12 (DNAJC12) ELISA Kit

Catalog No: #EK10553

Package Size: #EK10553-1 48T #EK10553-2 96T

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

Description

Product Name	Human DnaJ homolog subfamily C member 12 (DNAJC12) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-57G10.2; JDP1; J domain containing protein 1|J domain containing protein 1 (JDP1)|J domain protein 1
Accession No.	Q9UKB3
Uniprot	Q9UKB3
GeneID	56521;
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:0.052 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 DNAJC12 in samples. An antibody specific for DNAJC12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDNAJC12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DNAJC12 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 DNAJC12 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Highly conserved C terminus, but lack the G/F-rich and CRR domains. Hahn et al. (1999) identified a J domain-containing protein in mouse and Drosophila. By database searching for sequences homologous to these proteins, Lee et al. (2000) identified a human homolog, which they designated JDP1, that has 2 isoforms generated by alternative use of polyadenylation sites. The primary isoform is 1.2 kb long and encodes a 198-amino acid protein; the other is 0.7 kb long and encodes a 107-amino acid protein. The 198-amino acid protein shares approximately 77% sequence identity with the mouse protein. Northern blot analysis detected a single transcript of 1.3 kb at high levels in brain, heart, and testis, and at reduced levels in kidney and stomach. In mouse and Drosophila, expression is highest in kidney and restricted to heads, respectively.

Note: This product is for in vitro research use only