

Human DnaJ homolog subfamily C member 4 (DNAJC4) ELISA Kit

Catalog No: #EK10552

Orders: order@signalwayantibody.com

Package Size: #EK10552-1 48T #EK10552-2 96T

Support: tech@signalwayantibody.com

Description

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|--------------------|--|
| Product Name | Human DnaJ homolog subfamily C member 4 (DNAJC4) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | DANJC4; HSPF2; MCG18; MGC19482; MGC57189; MGC71863; heat shock 40kD protein 2 |
| Accession No. | Q9NNZ3 |
| Uniprot | Q9NNZ3 |
| GeneID | 3338; |
| 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:0.78-50 ng/mL

Sensitivity:0.27 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 DNAJC4 in samples. An antibody specific for DNAJC4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDNAJC4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DNAJC4 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 DNAJC4 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The E. coli heat-shock protein DnaJ is the founding member of a family of proteins that are associated with protein folding, complex assembly, and export. Prokaryotic and eukaryotic DnaJ homologs contain an approximately 70-amino acid J domain, which is thought to mediate interaction with 70-kD heat-shock proteins .

The HSPF2 gene is located approximately 250 bp centromeric of the VEGFB gene. The HSPF2 coding sequence is contained in 5 exons. The deduced 241-amino acid HSPF2 protein has a J domain followed by a predicted transmembrane domain. The human and mouse HSPF2 proteins are 71% identical. Northern blot analysis detected an approximately 1.4-kb HSPF2 transcript in all human cell lines examined.

Note: This product is for in vitro research use only