Human DnaJ homolog subfamily B member 1 (DNAJB1) ELISA Kit

Catalog No: #EK10555

Package Size: #EK10555-1 48T #EK10555-2 96T

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

Description

Product Name	Human DnaJ homolog subfamily B member 1 (DNAJB1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	HSPF1; Hdj1; Hsp40; RSPH16B; Sis1; DnaJ (Hsp40) homolog; subfmaily B; member 1|heat shock 40kD protein 1|radial spoke 16 homolog B
Accession No.	P25685
Uniprot	P25685
GeneID	3337;
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:0.045 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 DNAJB1 in samples. An antibody specific for DNAJB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDNAJB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DNAJB1 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 DNAJB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Heat shock proteins or HSPs are being synthesized under different kind of stress conditions and act as molecular chaperones for protein molecules. Because these proteins were first found in cells that were exposed to high temperatures, they are called "heat shock proteins" and have been named according to their molecular weights.

Hsp40 (heat shock protein 40 kD) is a mammalian heat shock protein. Its prokaryotic homolog is DnaJ.Hsp40 is a family of heat-shock proteins that contain a 70 amino-acid consensus sequence known as the J domain. The J domain of Hsp40 interacts with Hsp70 heat shock proteins. Hsp40 heat-shock proteins play a role in regulating the ATPase activity of Hsp70 heat-shock proteins.

Note: This product is for in vitro research use only