

Mouse Heat Shock Protein 40 (HSP40) ELISA Kit | HSP40 elisa kit

Mouse Heat Shock Protein 40 (HSP40) ELISA Kit

CATALOG #
AAA184106

REACTIVITY
Mouse

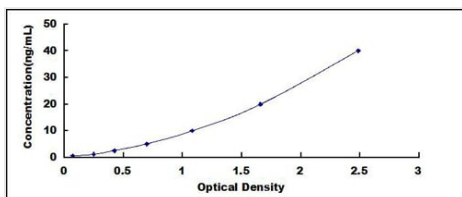
PRODUCT SYNONYMS

Heat Shock Protein 40 (HSP40); Mouse Heat Shock Protein 40 (HSP40) ELISA Kit; DnaJ; DNAJB1; Sis1; RSPH16B; HSPF1; DnaJ homolog subfamily B member 1; Radial Spoke 16 Homolog B; Heat Shock 40kDa Protein 1; DnaJ protein homolog 1; HSP40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Heat Shock Protein 40 (HSP40). No significant cross-reactivity or interference between Heat Shock Protein 40 (HSP40) and analogues was observed.
Sequence Length	340
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.242ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Heat Shock Protein 40 (HSP40) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Heat Shock Protein 40 (HSP40) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP40 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Heat Shock Protein 40 (HSP40). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Heat Shock Protein 40 (HSP40). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Heat Shock Protein 40 (HSP40), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Heat Shock Protein 40 (HSP40) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	1816452
NCBI GeneID	3337
UniProt Accession #	P25685; B4DX52
Molecular Weight	27,016 Da
NCBI Official Full Name	heat shock protein 40
NCBI Official Synonym Full Names	DnaJ heat shock protein family (Hsp40) member B1
NCBI Official Symbol	DNAJB1
NCBI Official Synonym Symbols	Hdj1; Sis1; HSPF1; Hsp40; RSPH16B
NCBI Protein Information	dnaJ homolog subfamily B member 1
UniProt Protein Name	DnaJ homolog subfamily B member 1
UniProt Gene Name	DNAJB1
UniProt Synonym Gene Names	DNAJ1; HDJ1; HSPF1; HSP40; Heat shock protein 40; hDj-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/heat-shock-protein-40-hsp40/184106>