

Human Heat Shock 70kDa Protein 4 ELISA Kit | HSPA4 elisa kit

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CATALOG #
AAA85667

REACTIVITY
Human

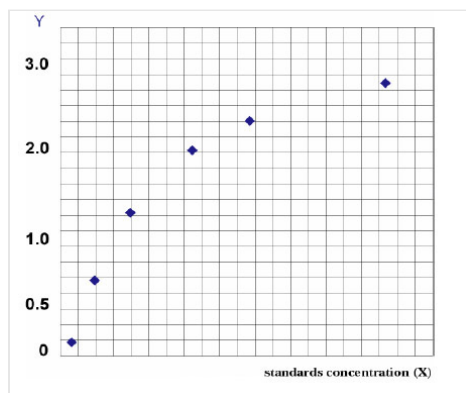
PRODUCT SYNONYMS

Heat Shock 70kDa Protein 4; Human Heat Shock 70kDa Protein 4 ELISA Kit; HSPA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA4 elisa kit	Intended Uses: This HSPA4 ELISA kit is intended Laboratory for research use only.The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration ofHSPA4 in the sample, thisHSPA4 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versusHSPA4 concentration. The concentration ofHSPA4 in the samples is then determined by comparing the O.D. of the samples to the standard curve Principle of the Assay: This HSPA4 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific forHSPA4. Standards or samples are then added to the microtiter plate wells andHSPA4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount ofHSPA4 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific forHSPA4 are added to each well to "sandwich" theHSPA4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period.Only those wells that containHSPA4 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
Product Categories/Family for HSPA4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	38327039
NCBI GeneID	3308
NCBI Accession #	NP_002145.3
NCBI GenBank Nucleotide #	NM_002154.3
Molecular Weight	94,331 Da
NCBI Official Full Name	heat shock 70 kDa protein 4
NCBI Official Synonym Full Names	heat shock 70kDa protein 4
NCBI Official Symbol	HSPA4
NCBI Official Synonym Symbols	RY; APG-2; HSPH2; hsp70; hsp70RY; HEL-S-5a; HS24/P52
NCBI Protein Information	heat shock 70 kDa protein 4; hsp70 RY; heat shock 70kD protein 4; heat shock protein, 110 kDa; heat shock 70-related protein APG-2; epididymis secretory sperm binding protein Li 5a
UniProt Protein Name	Heat shock 70 kDa protein 4
UniProt Gene Name	HSPA4
UniProt Synonym Gene Names	APG2
UniProt Entry Name	HSP74_HUMAN

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.