

Rat Stress-70 protein, mitochondrial (HSPA9) ELISA Kit | HSPA9 elisa kit

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CATALOG #
AAA244896

REACTIVITY
Rat

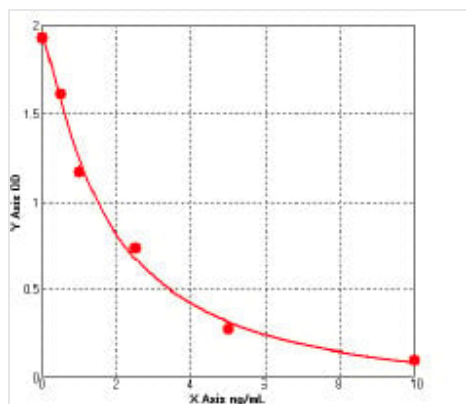
PRODUCT SYNONYMS

Stress-70 protein; mitochondrial (HSPA9); Rat Stress-70 protein; mitochondrial (HSPA9) ELISA Kit; HSPA9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPA9. No significant cross-reactivity or interference between HSPA9 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSPA9 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA9 elisa kit	Intended Uses: This HSPA9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HSPA9. This ELISA kit for research use only! Principle of the Assay: HSPA9 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-HSPA9 antibody and an HSPA9-HRP conjugate. The assay sample and buffer are incubated together with HSPA9-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HSPA9 concentration since HSPA9 from samples and HSPA9-HRP conjugate compete for the anti-HSPA9 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSPA9 from the sample, fewer sites are left to bind HSPA9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSPA9 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24234688
NCBI GeneID	3313
NCBI Accession #	NP_004125.3
NCBI GenBank Nucleotide #	NM_004134.6
Molecular Weight	73,680 Da
NCBI Official Full Name	stress-70 protein, mitochondrial
NCBI Official Synonym Full Names	heat shock 70kDa protein 9 (mortalin)
NCBI Official Symbol	HSPA9
NCBI Official Synonym Symbols	CSA; MOT; MOT2; CRP40; GRP75; PBP74; GRP-75; HSPA9B; MTHSP75; HEL-S-124m
NCBI Protein Information	stress-70 protein, mitochondrial; mortalin-2; p66-mortalin; mortalin, perinuclear; heat shock 70kD protein 9B; peptide-binding protein 74; 75 kDa glucose-regulated protein; catecholamine-regulated protein 40; epididymis secretory sperm binding protein Li 124m
UniProt Protein Name	Stress-70 protein, mitochondrial
UniProt Gene Name	HSPA9
UniProt Synonym Gene Names	GRP75; HSPA9B; mt-HSP70; GRP-75; MOT; PBP74
UniProt Entry Name	GRP75_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.