

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

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CATALOG #
AAA100735

REACTIVITY
Rat

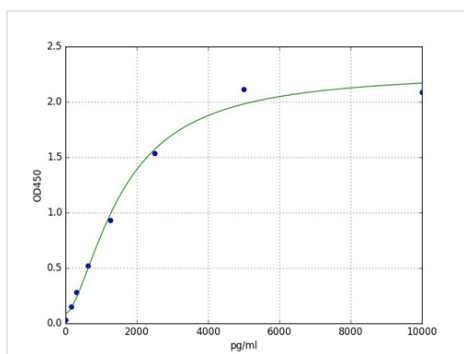
PRODUCT SYNONYMS

Heat Shock 70kDa Protein 4; Rat Heat Shock 70kDa Protein 4 ELISA Kit; HSPA4 (Heat shock 70 kDa protein 4)/RY/APG-2/HSPH2/hsp70RY/HS24/P52/HSP70RY/Heat shock 70-related protein APG-2; HSPA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	840
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat HSPA4 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.023	0.117	0.232	0.365	0.789	1.264	1.897	2.475

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA4 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat HSPA4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat HSPA4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat HSPA4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat HSPA4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38327039
NCBI GeneID	3308
NCBI Accession #	NP_002145.3
NCBI GenBank Nucleotide #	NM_002154.3
Molecular Weight	15,689 Da
NCBI Official Full Name	heat shock 70 kDa protein 4
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 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
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.

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Online datasheet: <https://stage.aaabiotech.com/hspa4-rat-elisa-kits/heat-shock-70kda-protein-4/100735>