Rat HSPA4 ELISA Kit | HSPA4 elisa kit

Rat HSPA4 (Heat Shock 70kDa Protein 4) ELISA Kit

CATALOG #	REACTIVITY
AAA163479	**Rat**

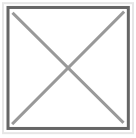
PRODUCT SYNONYMS

HSPA4; Rat HSPA4 (Heat Shock 70kDa Protein 4) ELISA Kit; HSPA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat HSPA4. No significant cross-reactivity or interference between Rat HSPA4 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat HSPA4 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	840
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA4 elisa kit	**Description:** The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSPA4 in Rat serum, plasma and other biological fluids **Principle of the Assay:** This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat HSPA4. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat HSPA4 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat HSPA4, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat HSPA4. You can calculate the concentration of Rat HSPA4 in the samples by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38327039
NCBI GeneID	3308
NCBI Accession #	NP_002145.3
NCBI GenBank Nucleotide #	NM_002154.3
UniProt Accession #	P34932; O95756; Q2TAL4; Q9BUK9
Molecular Weight	15,689 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; epididymis secretory sperm binding protein Li 5a; heat shock 70-related protein APG-2; heat shock 70kD protein 4; heat shock protein, 110 kDa; hsp70 RY
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/rat-elisa-kits/hspa4/163479