

Rat Heat Shock 70kDa Protein 5 ELISA Kit | HSPA5 elisa kit

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CATALOG #
AAA85834

REACTIVITY
Rat

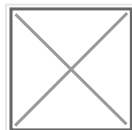
PRODUCT SYNONYMS

Heat Shock 70kDa Protein 5; Rat Heat Shock 70kDa Protein 5 ELISA Kit; HSPA5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 HSPA5 elisa kit

Intended Uses: This HSP-70 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HSP-70. This ELISA kit for research use only!

Principle of the Assay: HSP-70 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for HSP-70. Standards or samples are then added to the microtiter plate wells and HSP-70 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of HSP-70 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for HSP-70 are added to each well to "sandwich" the HSP-70 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain HSP-70 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP-70 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for HSPA5 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #

86577744

NCBI GeneID	3309
Molecular Weight	72,333 Da
NCBI Official Full Name	HSPA5 protein
NCBI Official Synonym Full Names	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
NCBI Official Symbol	HSPA5
NCBI Official Synonym Symbols	BIP; MIF2; GRP78; HEL-S-89n
NCBI Protein Information	78 kDa glucose-regulated protein; immunoglobulin heavy chain-binding protein; epididymis secretory sperm binding protein Li 89n; endoplasmic reticulum lumenal Ca(2+)-binding protein grp78
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	HSPA5
UniProt Synonym Gene Names	GRP78; GRP-78; BiP
UniProt Entry Name	GRP78_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/hspa5-rat-elisa-kits/heat-shock-70kda-protein-5/85834>