Goat heat shock 70kDa protein 2 ELISA Kit | HSPA2 elisa kit

Goat Heat Shock Protein 70, HSP-70 ELISA Kit

CATALOG #	REACTIVITY
AAA79702	**Goat**

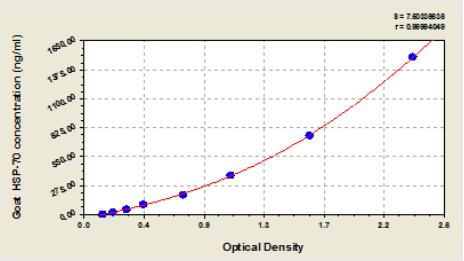
PRODUCT SYNONYMS

heat shock 70kDa protein 2; Goat Heat Shock Protein 70; HSP-70 ELISA Kit; Goat Heat Shock Protein 70 (HSP-70) ELISA KIT; HSP70-2; HSP70-3; OTTHUMP00000180664; heat shock 70kD protein 2; HSPA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Specificity	This assay has high sensitivity and excellent specificity for detection of Goat HSPA2. No significant cross-reactivity or interference between Goat HSPA2 and analogues was observed.
Sequence Length	636
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	23.44 ng/ml-1500 ng/ml
Sensitivity	5.86 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Neurobiology
Protein Biological Process 3	Stress response
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA2 elisa kit	**Principle of the Assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for HSP-70 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HSP-70 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HSP-70 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HSP-70 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	75056458
UniProt Accession #	Q9TUG3
Molecular Weight	69,867 Da
NCBI Official Full Name	Heat shock-related 70 kDa protein 2
UniProt Protein Name	Heat shock-related 70 kDa protein 2
UniProt Gene Name	**HSPA2**
UniProt Synonym Gene Names	HSP70-3; HSP70.3
UniProt Entry Name	HSP72_CAPHI

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/hspa2-goat-elisa-kits/heat-shock-70kda-protein-2/79702