

Sheep Heat Shock 70kDa Protein 1A ELISA Kit | HSPA1A elisa kit

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CATALOG # AAA90047	REACTIVITY Sheep
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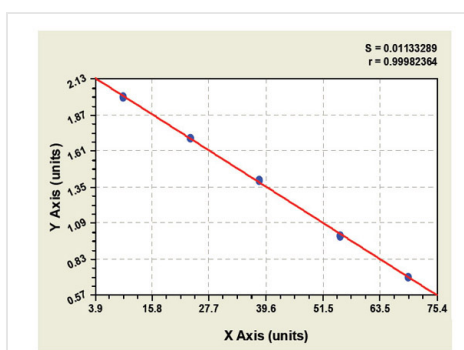
PRODUCT SYNONYMS

Heat Shock 70kDa Protein 1A; Sheep Heat Shock 70kDa Protein 1A ELISA Kit; HSPA1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This HSP701A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep HSP701A. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA1A elisa kit	Principle of the assay: HSP701A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HSP701A antibody and an HSP701A-HRP conjugate. The assay sample and buffer are incubated together with HSP701A-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 HSP701A concentration since HSP701A from samples and HSP701A-HRP conjugate compete for the anti-HSP701A antibody binding site. Since the number of sites is limited, as more sites are occupied by HSP701A from the sample, fewer sites are left to bind HSP701A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP701A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HSPA1A elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI Accession #	NP_005336.3
NCBI GenBank Nucleotide #	NM_005345.5
Molecular Weight	63,937 Da
NCBI Official Full Name	heat shock 70 kDa protein 1A/1B
NCBI Official Synonym Full Names	heat shock 70kDa protein 1A
NCBI Official Symbol	HSPA1A
NCBI Official Synonym Symbols	HSP72; HSPA1; HSP70I; HSP70-1; HSP70-1A; HEL-S-103
NCBI Protein Information	heat shock 70 kDa protein 1A/1B; HSP70-1/HSP70-2; heat shock 70kD protein 1A; heat shock-induced protein; heat shock 70 kDa protein 1/2; epididymis secretory protein Li 103; dnaK-type molecular chaperone HSP70-1
UniProt Protein Name	Heat shock 70 kDa protein 1A/1B
UniProt Gene Name	HSPA1A
UniProt Synonym Gene Names	HSPA1; HSX70 HSPA1B ; HSP70-1/HSP70-2; HSP70.1/HSP70.2
UniProt Entry Name	HSP71_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/hspa1a-sheep-elisa-kits/heat-shock-70kda-protein-1a/90047>