

Mouse Heat shock protein 90-alpha ELISA Kit | HSP90-alpha elisa kit

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CATALOG #
AAA27216

REACTIVITY
Mouse

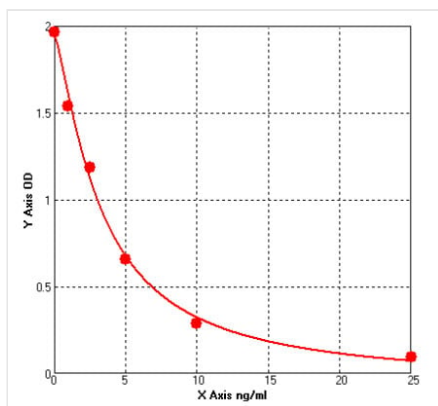
PRODUCT SYNONYMS

Heat shock protein 90-alpha; Mouse Heat shock protein 90-alpha ELISA Kit; HSP90-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HSP-90alpha. No significant cross-reactivity or interference between HSP-90alpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSP-90alpha and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP90-alpha elisa kit	Principle of the Assay: HSP-90alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HSP-90alpha antibody and an HSP-90alpha-HRP conjugate. The assay sample and buffer are incubated together with HSP-90alpha-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 HSP-90alpha concentration since HSP-90alpha from samples and HSP-90alpha-HRP conjugate compete for the anti-HSP-90alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by HSP-90alpha from the sample, fewer sites are left to bind HSP-90alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP-90alpha concentration in each sample is interpolated from this standard curve. Intended Uses: This HSP-90alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HSP-90alpha. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for HSP90-alpha elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	154146191
NCBI GeneID	3320
NCBI Accession #	NP_005339.3
NCBI GenBank Nucleotide #	NM_005348.3
Molecular Weight	98,161 Da
NCBI Official Full Name	heat shock protein HSP 90-alpha isoform 2
NCBI Official Synonym Full Names	heat shock protein 90kDa alpha (cytosolic), class A member 1
NCBI Official Symbol	HSP90AA1
NCBI Official Synonym Symbols	EL52; HSPN; LAP2; HSP86; HSPC1; HSPCA; Hsp89; Hsp90; LAP-2; HSP89A; HSP90A; HSP90N; HSPCAL1; HSPCAL4
NCBI Protein Information	heat shock protein HSP 90-alpha; HSP 86; heat shock 86 kDa; LPS-associated protein 2; heat shock 90kD protein 1, alpha; heat shock 90kDa protein 1, alpha; renal carcinoma antigen NY-REN-38; heat shock 90kD protein, alpha-like 4; epididymis luminal secretory protein 52; heat shock 90kD protein 1, alpha-like 4; lipopolysaccharide-associated protein 2
UniProt Protein Name	Heat shock protein HSP 90-alpha
UniProt Gene Name	HSP90AA1
UniProt Synonym Gene Names	HSP90A; HSPC1; HSPCA; HSP 86; HSP86; LAP-2; LPS-associated protein 2
UniProt Entry Name	HS90A_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.