

**ARG81394**  
**Hsp90 alpha ELISA kit**Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG81394 Hsp90 alpha ELISA kit is an Enzyme Immunoassay kit for the quantification of Hsp90 alpha in serum, cell lysates and tissue lysates.
Tested Reactivity	Hu, Goat
Tested Application	ELISA
Target Name	Hsp90 alpha
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.117 ng/ml
Sample Type	Serum, cell lysates and tissue lysates.
Standard Range	0.44 - 28 ng/ml
Sample Volume	100 µl
Alternate Names	EL52; Hsp90; HSPC1; Heat shock 86 kDa; LAP-2; HSP90N; LAP2; HSP90A; HSPCAL4; HSP89A; HSP86; HSP 86; HSPCA; Lipopolysaccharide-associated protein 2; HSPCAL1; LPS-associated protein 2; HSPN; Renal carcinoma antigen NY-REN-38; Heat shock protein HSP 90-alpha; Hsp89

### Application Instructions

Assay Time	~ 3 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	HSP90AA1
Gene Full Name	heat shock protein 90kDa alpha (cytosolic), class A member 1
Background	The protein encoded by this gene is an inducible molecular chaperone that functions as a homodimer. The encoded protein aids in the proper folding of specific target proteins by use of an ATPase activity that is modulated by co-chaperones. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
Function	Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes

in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function. Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion by monocytes. [UniProt]

Highlight

Related products:  
[Hsp90 alpha antibodies](#); [Hsp90 alpha ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

PTM

ISGylated.

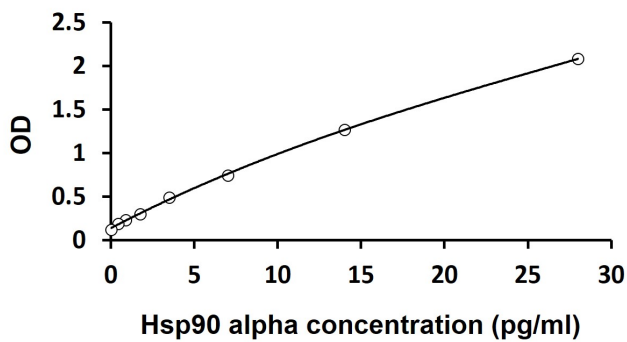
S-nitrosylated; negatively regulates the ATPase activity and the activation of eNOS by HSP90AA1. [UniProt]

Cellular Localization

Nucleus. Cytoplasm. Melanosome. Cell membrane. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. [UniProt]

## Images

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ARG81394 Hsp90 alpha ELISA kit standard curve image

ARG81394 Hsp90 alpha ELISA kit results of a typical standard run with optical density reading at 450 nm.