

Product Datasheet

Mouse Heat Shock Protein 90kDa Alpha A1 (HSP90aA1) ELISA Kit (orb1173524)

Catalog Number	orb1173524
Category	Assays and Kits
Description	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Heat Shock Protein 90kDa Alpha A1(HSP90aA1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Heat Shock Protein 90kDa Alpha A1(HSP90aA1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Heat Shock Protein 90kDa Alpha A1(HSP90aA1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Heat Shock Protein 90kDa Alpha A1(HSP90aA1) in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Mouse
Concentration	100 ng/mL
UniProt ID	P07901
Tested applications	ELISA

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Application notes

standard: 100 ng/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mouse HSP90aA1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse HSP90aA1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mouse HSP90aA1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Mouse HSP90aA1 in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type

Sandwich

Assay Time

3.5h

Range

1.57-100 ng/mL

Sensitivity

0.64 ng/mL

Sample Types

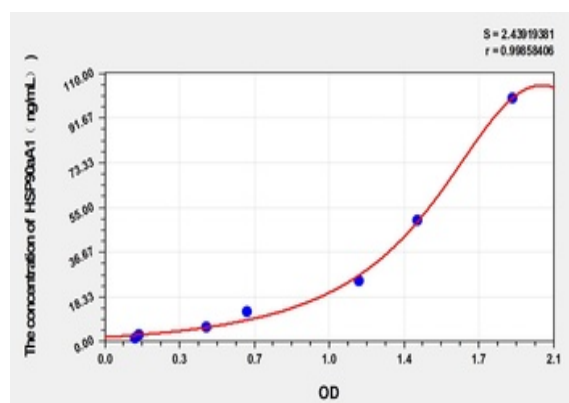
Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.



Standard curve for orb1173524 ELISA kit.

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