

Product Datasheet

Human Heat Shock Protein 47 (HSP47) ELISA Kit (orb777370)

Catalog Number	orb777370
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 47(HSP47).
Reactivity	Human
Concentration	8000 pg/mL
UniProt ID	P50454
Tested applications	ELISA
Application notes	standard: 8000 pg/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 Human HSP47. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human HSP47. 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 Human HSP47, 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 Human HSP47 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h

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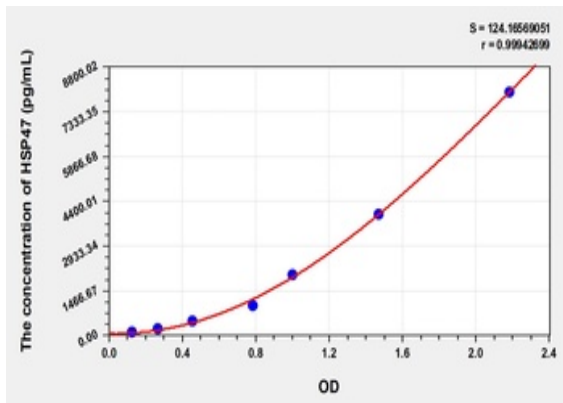
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Range	125-8000 pg/mL
Sensitivity	51 pg/mL
Sample Types	Serum, plasma, tissue homogenates, cell lysates and other biological fluids
Note	For research use only
Expiration Date	Please enquire.

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