

Product Datasheet

Pig HSP90b1(Heat Shock Protein 90kDa Beta 1) ELISA Kit (orb2302937)

Catalog Number orb2302937

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 Pig HSP90b1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pig HSP90b1. 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 Pig HSP90b1, 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 Pig HSP90b1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Porcine

Concentration 50 ng/mL

UniProt ID **Q29092**

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Application notes

standard: 50 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 Pig HSP90b1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pig HSP90b1. 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 Pig HSP90b1, 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 Pig HSP90b1 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

0.79-50 ng/mL

Sensitivity

0.31 ng/mL

Sample Types

Serum, plasma, tissue homogenates and other biological fluids.

Note

For research use only

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