

Product Datasheet

Zebrafish HeatShock Protein 70 (HSP-70/HSPA9) ELISA Kit (orb1088148)

Catalog Number orb1088148

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 HeatShock Protein 70(HSP-70/HSPA9). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to HeatShock Protein 70(HSP-70/HSPA9). 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 HeatShock Protein 70(HSP-70/HSPA9), 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 HeatShock Protein 70(HSP-70/HSPA9) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Zebrafish

Concentration 200 ng/mL

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Application notes

standard: 200 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 Zebrafish HSP-70/HSPA9. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Zebrafish HSP-70/HSPA9. 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 Zebrafish HSP-70/HSPA9, 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 Zebrafish HSP-70/HSPA9 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

3.13-200 ng/mL

Sensitivity

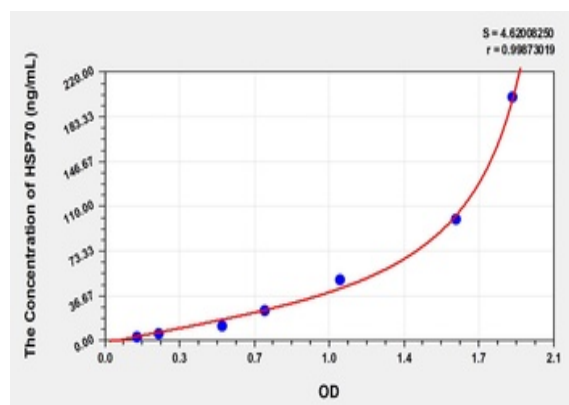
1.33 ng/mL

Sample Types

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

Note

For research use only



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