

Product Datasheet

Horse HeatShock Protein 70 (HSP-70/HSPA9) ELISA Kit (orb1146943)

Catalog Number orb1146943

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 Equine

Concentration 100 ng/mL

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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 Horse HSP-70/HSPA9. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse 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 Horse 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 ± 10nm. The concentration of Horse 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

1.57-100 ng/mL

Sensitivity

0.53 ng/mL

Sample Types

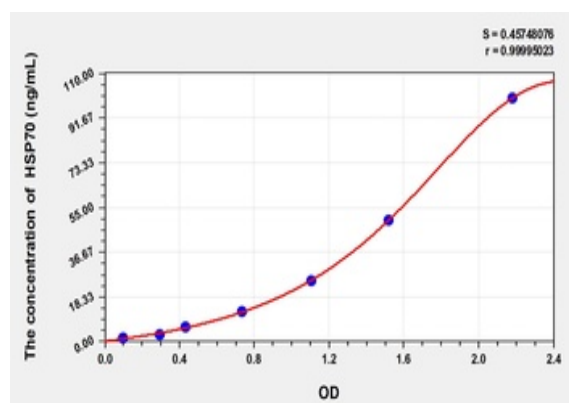
Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.



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