

## Product Datasheet

### Rat 78 kDa glucose-regulated Protein (Hspa5) ELISA Kit (orb1736642)

<b>Catalog Number</b>	orb1736642
<b>Category</b>	Assays and Kits
<b>Description</b>	<p>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 Rat Hspa5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat Hspa5. 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 Rat Hspa5, 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 <math>\pm</math> 10nm. The concentration of Rat Hspa5 in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Rat
<b>Concentration</b>	20 ng/mL
<b>UniProt ID</b>	<b>P06761</b>

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## Application notes

standard: 20 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 Rat Hspa5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat Hspa5. 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 Rat Hspa5, 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 Rat Hspa5 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

0.32-20 ng/mL

## Sensitivity

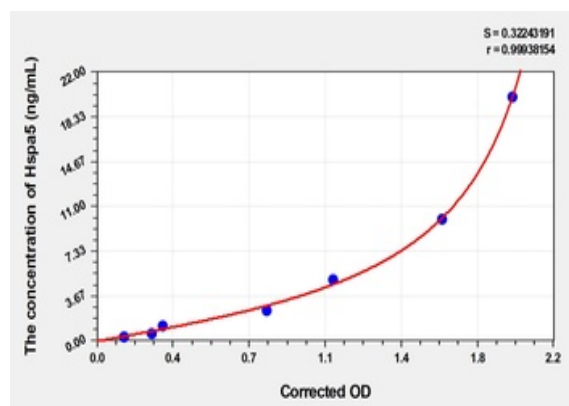
0.17 ng/mL

## Sample Types

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

## Note

For research use only



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