

## Product Datasheet

# Rat Glutathione S Transferase Pi (GSTp) ELISA Kit (orb1736519)

<b>Catalog Number</b>	orb1736519
<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 GSTp. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat GSTp. 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 GSTp, 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 GSTp 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>	10 ng/mL
<b>UniProt ID</b>	<b>P04906</b>

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**Application notes**

standard: 10 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 GSTp. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat GSTp. 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 GSTp, 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 Rat GSTp 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**

0.16-10 ng/mL

**Sensitivity**

0.058 ng/mL

**Sample Types**

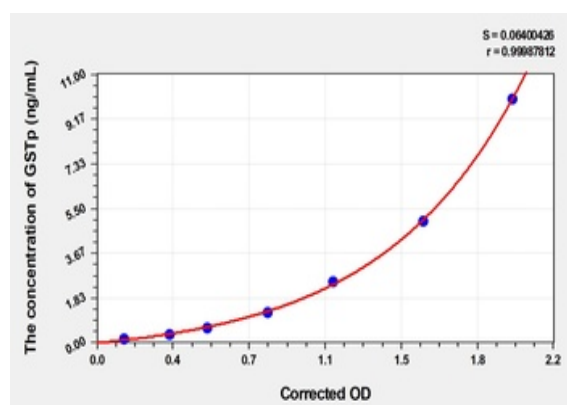
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

**Note**

For research use only

**Expiration Date**

6 months from date of receipt.

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