

## Product Datasheet

# Rat Sterol Regulatory Element-Binding Protein 1C (SREBP-1C) ELISA Kit (orb2302976)

<b>Catalog Number</b>	orb2302976
<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 SREBP-1C. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SREBP-1C. 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 SREBP-1C, 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 SREBP-1C 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>	4000 pg/mL

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**Application notes**

standard: 4000 pg/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 SREBP-1C. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SREBP-1C. 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 SREBP-1C, 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 SREBP-1C 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**

62.5-4000 pg/mL

**Sensitivity**

18.3 pg/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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