

## Product Datasheet

### Mouse Suppressors of Cytokine Signaling 1 (SOCS1) ELISA Kit (orb1146910)

<b>Catalog Number</b>	orb1146910
<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 Suppressors Of Cytokine Signaling 1(SOCS1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Suppressors Of Cytokine Signaling 1(SOCS1). 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 Suppressors Of Cytokine Signaling 1(SOCS1), 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 Suppressors Of Cytokine Signaling 1(SOCS1) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Mouse
<b>Concentration</b>	20 ng/mL
<b>UniProt ID</b>	<b>O35716</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 Mouse SOCS1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse SOCS1. 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 Mouse SOCS1, 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 Mouse SOCS1 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

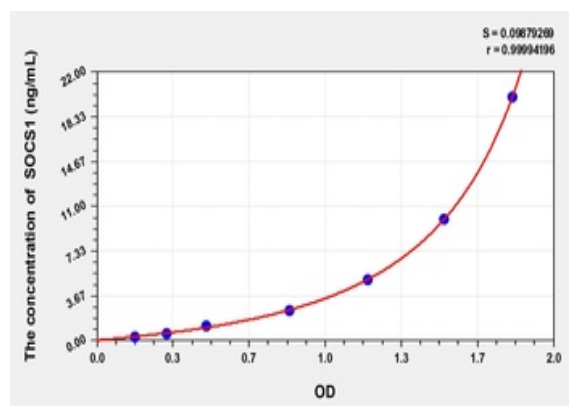
0.116 ng/mL

## Sample Types

Tissue homogenates, cell lysates and other biological fluids.

## Note

For research use only



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