

## Product Datasheet

# Rat Semaphorin 3F (SEMA3F) ELISA Kit (orb1173570)

<b>Catalog Number</b>	orb1173570
<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 Semaphorin 3F(SEMA3F). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Semaphorin 3F(SEMA3F). 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 Semaphorin 3F(SEMA3F), 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 Semaphorin 3F(SEMA3F) 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>	1000 pg/mL
<b>Tested applications</b>	ELISA

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### Application notes

standard: 1000 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 SEMA3F. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat SEMA3F. 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 SEMA3F, 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 SEMA3F 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

15.63-1000 pg/mL

### Sensitivity

5.9 pg/mL

### Sample Types

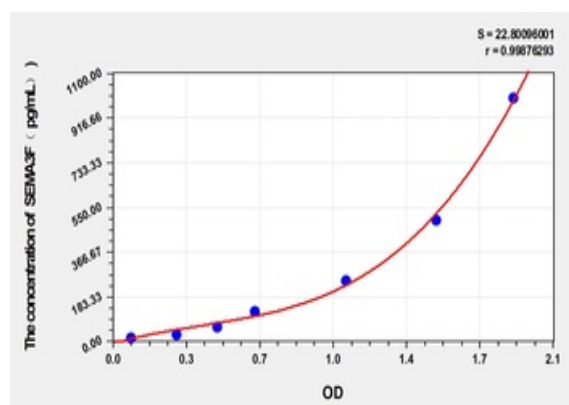
serum, plasma, tissue homogenates and other biological fluids

### Note

For research use only

### Expiration Date

Please enquire.



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