

## Product Datasheet

# Rabbit Glial Cell Line Derived Neurotrophic Factor Receptor Alpha 1 (GFRa1) ELISA Kit (orb1173529)

<b>Catalog Number</b>	orb1173529
<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 Glial Cell Line Derived Neurotrophic Factor Receptor Alpha 1(GFRa1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Glial Cell Line Derived Neurotrophic Factor Receptor Alpha 1(GFRa1). 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 Glial Cell Line Derived Neurotrophic Factor Receptor Alpha 1(GFRa1), 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 Glial Cell Line Derived Neurotrophic Factor Receptor Alpha 1(GFRa1) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Rabbit
<b>Concentration</b>	20 ng/mL
<b>Tested applications</b>	ELISA

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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 Rabbit GFRa1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rabbit GFRa1. 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 Rabbit GFRa1, 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 Rabbit GFRa1 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

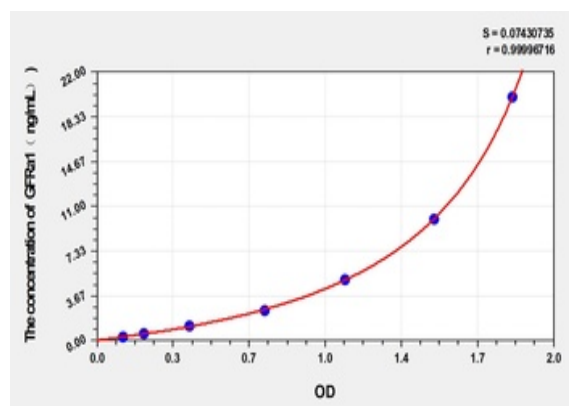
0.122 ng/mL

## Sample Types

Tissue homogenates and other biological fluids.

## Note

For research use only



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