

Product Datasheet

Rat Low Affinity Nerve Growth Factor Receptor (LNGFR) ELISA Kit (orb1146929)

Catalog Number	orb1146929
Category	Assays and Kits
Description	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 Low Affinity Nerve Growth Factor Receptor(LNGFR). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Low Affinity Nerve Growth Factor Receptor(LNGFR). 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 Low Affinity Nerve Growth Factor Receptor(LNGFR), 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 Low Affinity Nerve Growth Factor Receptor(LNGFR) in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Rat
Concentration	10 ng/mL
UniProt ID	P07174

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

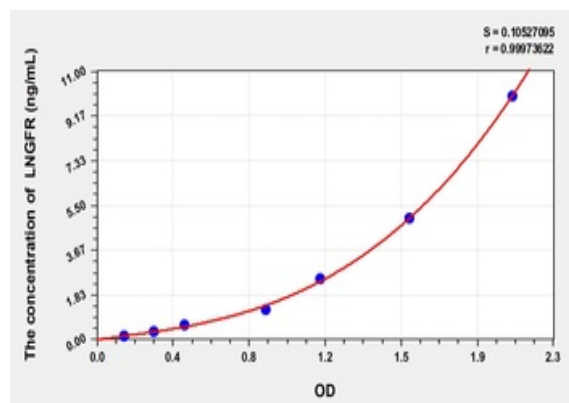
Serum, plasma, tissue homogenates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.



Standard curve for orb1146929 ELISA kit.

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