

Product Datasheet

Mouse Cerebral Dopamine Neurotrophic Factor (CDNF) ELISA Kit (orb1146917)

Catalog Number	orb1146917
Category	Assays and Kits
Description	<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 Cerebral Dopamine Neurotrophic Factor(CDNF). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cerebral Dopamine Neurotrophic Factor(CDNF). 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 Cerebral Dopamine Neurotrophic Factor(CDNF), 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 Cerebral Dopamine Neurotrophic Factor(CDNF) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Mouse
Concentration	2000 pg/mL
UniProt ID	Q8CC36

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Application notes

standard: 2000 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 Mouse CDNF. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse CDNF. 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 CDNF, 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 Mouse CDNF 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

31.25-2000 pg/mL

Sensitivity

14.6 pg/mL

Sample Types

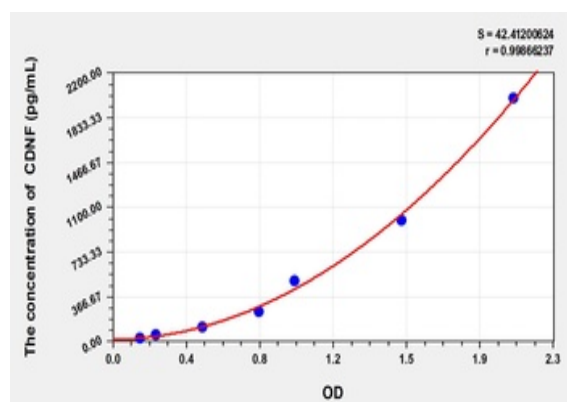
Serum, plasma, tissue homogenates, cell lysates and other biological fluids.

Note

For research use only

Expiration Date

Please enquire.



Standard curve for orb1146917 ELISA kit.

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