

Product Datasheet

Human Phosphorylated Neurofilament H (pNF-H) ELISA Kit (orb1088188)

Catalog Number orb1088188

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 Phosphorylated Neurofilament H(pNF-H). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Phosphorylated Neurofilament H(pNF-H). 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 Phosphorylated Neurofilament H(pNF-H), 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 Phosphorylated Neurofilament H(pNF-H) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Human

Concentration 5000 pg/mL

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Application notes

standard: 5000 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 Human pNF-H. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human pNF-H. 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 Human pNF-H, 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 Human pNF-H 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

78.13-5000 pg/mL

Sensitivity

29 pg/mL

Sample Types

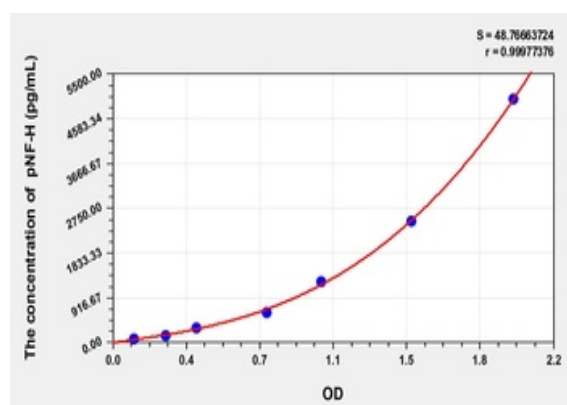
Serum, plasma, tissue homogenates and other biological fluids.

Note

For research use only

Expiration Date

Please enquire.

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