

Product Datasheet

Human Pro Atrial Natriuretic Peptide (Pro-ANP) ELISA Kit (orb1146836)

Catalog Number	orb1146836
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 Pro Atrial Natriuretic Peptide(Pro-ANP). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pro Atrial Natriuretic Peptide(Pro-ANP). 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 Pro Atrial Natriuretic Peptide(Pro-ANP), 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 ± 10nm. The concentration of Pro Atrial Natriuretic Peptide(Pro-ANP) in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Human
Concentration	10 ng/mL
UniProt ID	P01160

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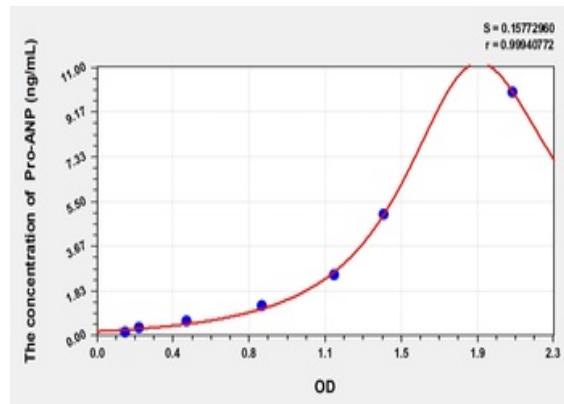
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Application notes

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 Human Pro-ANP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Pro-ANP. 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 Pro-ANP, 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 ± 10nm. The concentration of Human Pro-ANP 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, cell lysates, cell culture supernates and other biological fluids**Note** For research use only**Biorbyt Ltd.**

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