

Product Datasheet

Sheep N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) ELISA Kit (orb2308032)

Catalog Number	orb2308032
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 Sheep NT-ProBNP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep NT-ProBNP. 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 Sheep NT-ProBNP, 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 Sheep NT-ProBNP in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Sheep
Application notes	<p>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 Sheep NT-ProBNP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep NT-ProBNP. 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 Sheep NT-ProBNP, 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 Sheep NT-ProBNP in the samples is then determined by comparing the OD of the samples to the standard curve</p>

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Assay Type	Sandwich
Assay Time	3.5h
Standard	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.067 ng/mL
Sample Types	Serum, plasma and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.

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