

Product Datasheet

Horse Apelin (APLN) ELISA Kit (orb1146860)

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 Apelin(APLN). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Apelin(APLN). 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 Apelin(APLN), 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 Apelin(APLN) in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Equine
Range	125-8000 pg/mL
Concentration	8000 pg/mL
Note	For research use only
Application notes	standard: 8000 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 Horse APLN. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse APLN. 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 Horse APLN, 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 Horse APLN in the samples is then determined by comparing the OD of the samples to the standard curve
Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

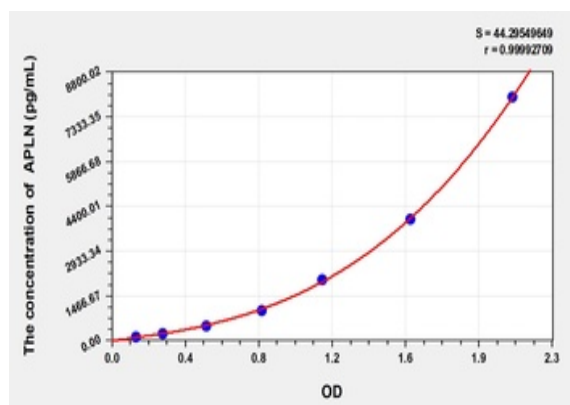
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Assay Time	3.5h
Sensitivity	46 pg/mL
Expiration Date	Please enquire.

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