

Product Datasheet

Cattle Acetylcholinesterase (AChE) ELISA Kit (orb1736564)

Catalog Number	orb1736564
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 Cattle AChE. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle AChE. 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 Cattle AChE, 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 Cattle AChE in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Bovine
Concentration	50 ng/mL
UniProt ID	P23795
Application notes	standard: 50 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 Cattle AChE. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle AChE. 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 Cattle AChE, 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 Cattle AChE in the samples is then determined by comparing the OD of the samples to the standard curve

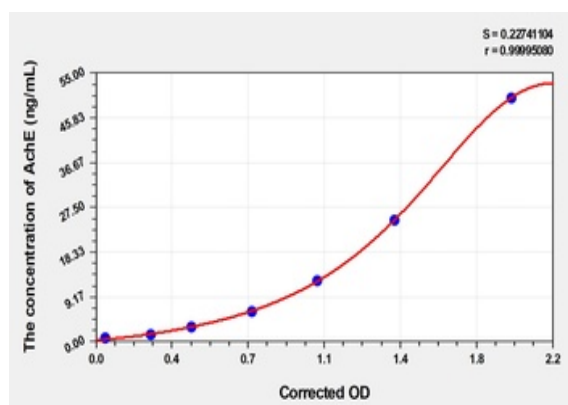
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Assay Type	Sandwich
Assay Time	3.5h
Range	0.78-50 ng/mL
Sensitivity	0.33 ng/mL
Sample Types	Serum, plasma, tissue homogenates and other biological fluids
Note	For research use only
Expiration Date	Please enquire.

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