

Product Datasheet

Cattle Immunoglobulin E (IgE) ELISA Kit (orb1736543)

Catalog Number	orb1736543
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 IgE. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle IgE. 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 IgE, 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 IgE in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Bovine
Concentration	4000 ng/mL
Application notes	standard: 4000 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 IgE. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle IgE. 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 IgE, 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 IgE in the samples is then determined by comparing the OD of the samples to the standard curve

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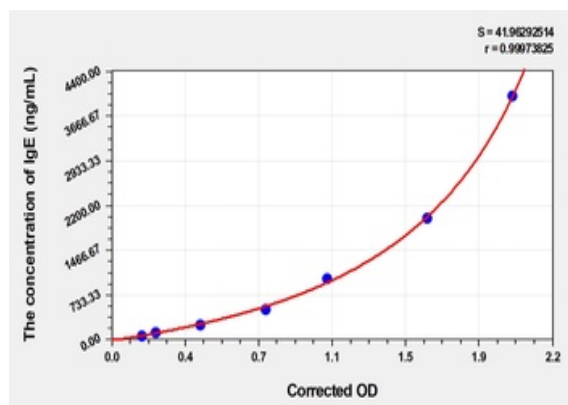
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Assay Type	Sandwich
Assay Time	3.5h
Range	62.5-4000 ng/mL
Sensitivity	28.3 ng/mL
Sample Types	Serum, plasma and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.



Standard curve for orb1736543 ELISA kit.

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