

Product Datasheet

Human Islet Cell Antibody (ICA) ELISA Kit (orb1736447)

Catalog Number	orb1736447
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 Human ICA. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human ICA. 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 ICA, 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 Human ICA in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Human
Concentration	200 ng/mL
Application notes	<p>standard: 200 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 ICA. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human ICA. 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 ICA, 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 Human ICA in the samples is then determined by comparing the OD of the samples to the standard curve</p>

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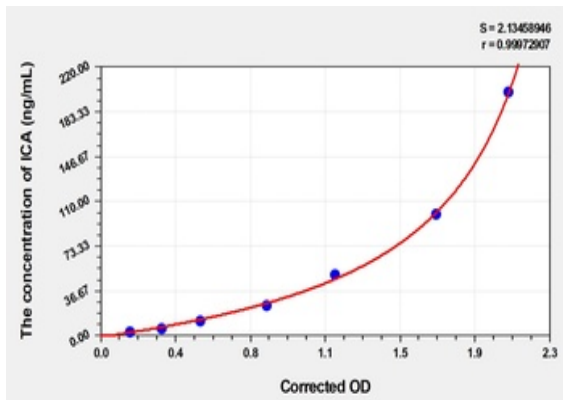
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Assay Type	Sandwich
Assay Time	3.5h
Range	3.13-200 ng/mL
Sensitivity	1.18 ng/mL
Sample Types	tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.



Standard curve for orb1736447 ELISA kit.

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