

Product Datasheet

Rat T-Cell Surface Glycoprotein CD1A (CD1A) ELISA Kit (orb1736608)

Catalog Number orb1736608

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 Rat CD1A. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CD1A. 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 Rat CD1A, 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 Rat CD1A in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Rat

Concentration 10 ng/mL

Application notes 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 Rat CD1A. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CD1A. 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 Rat CD1A, 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 Rat CD1A in the samples is then determined by comparing the OD of the samples to the standard curve

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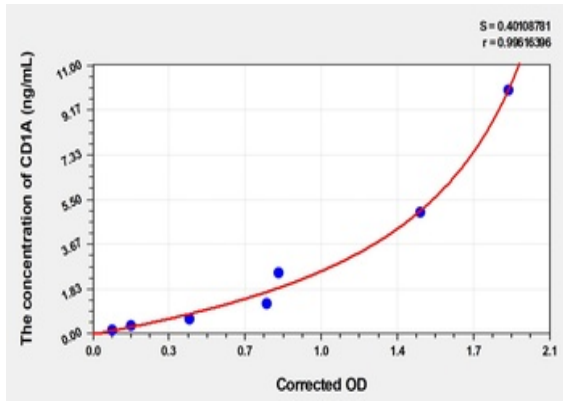
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Assay Type	Sandwich
Assay Time	3.5h
Range	0.16-10 ng/mL
Sensitivity	0.07 ng/mL
Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Note	For research use only
Expiration Date	6 months from date of receipt.



Standard curve for orb1736608 ELISA kit.

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