

## **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  $450 \, \text{nm} \pm 10 \, \text{nm}$ . The concentration of Rat CD1A in the samples is

then determined by comparing the OD of the samples to the standard curve

Assay Type Sandwich





Assay Time 3.5h

Range 0.16-10 ng/mL

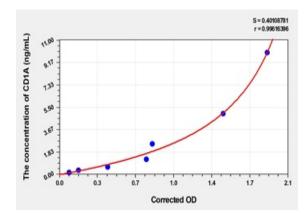
**Sensitivity** 0.07 ng/mL

**Sample Types** serum, plasma, tissue homogenates, cell lysates, cell culture supernates and

other biological fluids

**Note** For research use only

**Expiration Date** Please enquire.



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