

Product Datasheet

Human T-Cell Surface Glycoprotein CD1A (CD1A) ELISA Kit (orb1736607)

Catalog Number orb1736607

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 Human CD1A. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human 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 Human 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 Human CD1A in the samples is then determined by comparing

the OD of the samples to the standard curve.

Reactivity Human

Concentration 10 ng/mL

UniProt ID P06126

Phone: <u>+1 (415) 906-5211</u> | Fax: <u>+1 (415) 651-8558</u>





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 Human CD1A. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human 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 Human 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 Human 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 0.061 ng/mL

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

other biological fluids

Note For research use only

