

Product Datasheet

Mouse SolubleCluster of Differentiation 14 (sCD14) ELISA Kit (orb1146713)

Catalog Number orb1146713

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 SolubleCluster of Differentiation 14(sCD14). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to SolubleCluster of Differentiation 14(sCD14). 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 SolubleCluster of Differentiation 14(sCD14), 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 SolubleCluster of Differentiation 14(sCD14) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Mouse

Concentration 100 ng/mL

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Application notes

standard: 100 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 Mouse sCD14. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse sCD14. 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 Mouse sCD14, 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 Mouse sCD14 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

1.56-100 ng/mL

Sensitivity

0.98 ng/mL

Sample Types

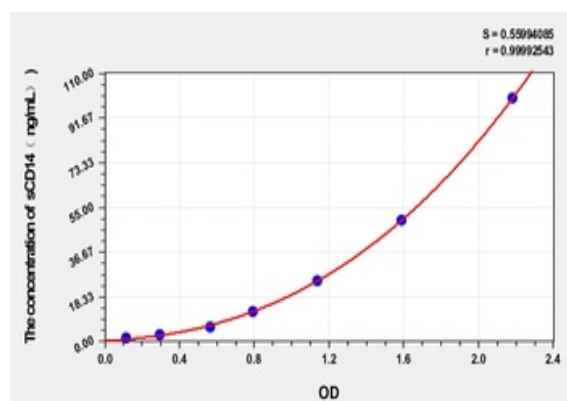
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.

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