

Product Datasheet

Rat Soluble Cluster of Differentiation 40 Ligand (sCD40L) ELISA Kit (orb1146847)

Catalog Number orb1146847

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 Soluble Cluster Of Differentiation 40 Ligand(sCD40L). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Soluble Cluster Of Differentiation 40 Ligand(sCD40L). 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 Soluble Cluster Of Differentiation 40 Ligand(sCD40L), 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 Soluble Cluster Of Differentiation 40 Ligand(sCD40L) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Rat

Concentration 1000 pg/mL

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Application notes

standard: 1000 pg/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 sCD40L. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat sCD40L. 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 sCD40L, 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 sCD40L 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

15.63-1000 pg/mL

Sensitivity

6.5 pg/mL

Sample Types

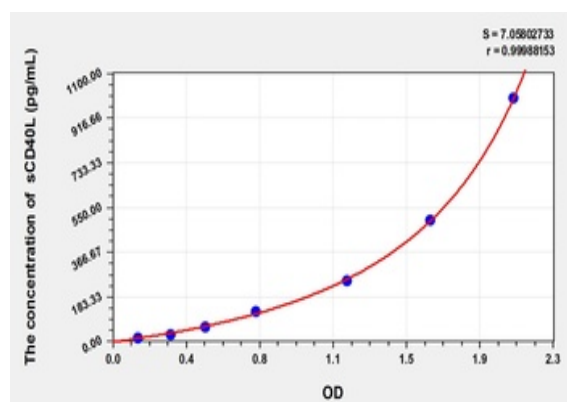
serum, plasma, tissue homogenates, cell lysates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.

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