

Product Datasheet

Human Soluble Cytotoxic T-Lymphocyte Associated Antigen 4 (sCTLA4) ELISA Kit (orb1088146)

Catalog Number orb1088146

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 Cytotoxic T-Lymphocyte Associated Antigen 4(sCTLA4). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Soluble Cytotoxic T-Lymphocyte Associated Antigen 4(sCTLA4). 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 Cytotoxic T-Lymphocyte Associated Antigen 4(sCTLA4), 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 Soluble Cytotoxic T-Lymphocyte Associated Antigen 4(sCTLA4) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Human

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 Human sCTLA4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human sCTLA4. 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 sCTLA4, 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 sCTLA4 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

9.03 pg/mL

Sample Types

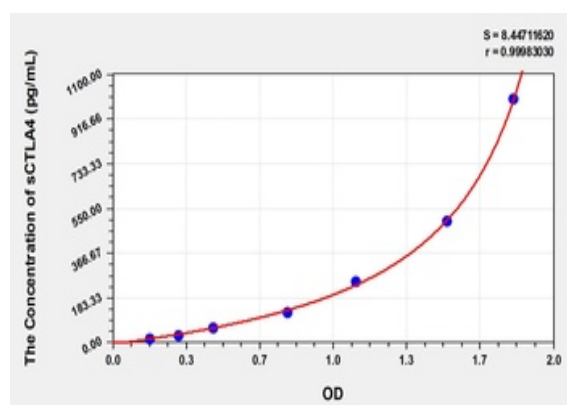
serum, plasma, tissue homogenates, cell lysates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.

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