

Product Datasheet

Human Soluble Interleukin 33 (sIL33) ELISA Kit (orb1088139)

Catalog Number	orb1088139
Category	Assays and Kits
Description	<p>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 Interleukin 33(sIL33). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Soluble Interleukin 33(sIL33). 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 Interleukin 33(sIL33), 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 Interleukin 33(sIL33) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Human
Concentration	500 pg/mL

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Application notes

standard: 500 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 sIL33. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human sIL33. 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 sIL33, 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 sIL33 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

7.82-500 pg/mL

Sensitivity

3 pg/mL

Sample Types

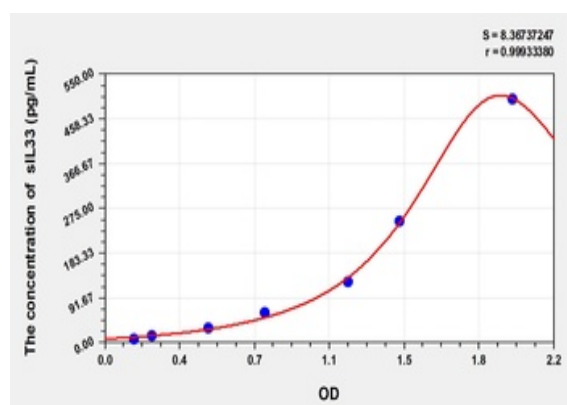
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.

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