

Product Datasheet

Hamster Interleukin 4 (IL4) ELISA Kit (orb1146927)

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 Interleukin 4(IL4). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Interleukin 4(IL4). 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 Interleukin 4(IL4), 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 Interleukin 4(IL4) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Hamster

Range

15.63-1000 pg/mL

Concentration

1000 pg/mL

Note

For research use only

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 Hamster IL4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Hamster IL4. 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 Hamster IL4, 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 Hamster IL4 in the samples is then determined by comparing the OD of the samples to the standard curve

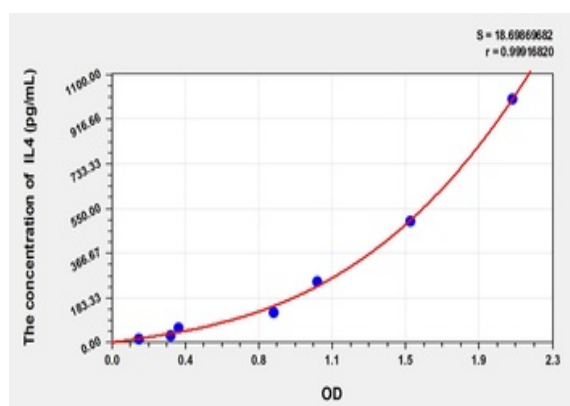
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Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Time	3.5h
Uniprot ID	Q60440
Sensitivity	5.6 pg/mL
Expiration Date	Please enquire.

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