

Product Datasheet

Goat Interleukin 1 Beta (IL1b) ELISA Kit (orb1817387)

Catalog Number	orb1817387
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 Goat IL1b. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Goat IL1b. 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 Goat IL1b, 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 Goat IL1b in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Goat
Concentration	1000 pg/mL
Application notes	<p>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 Goat IL1b. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Goat IL1b. 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 Goat IL1b, 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 Goat IL1b in the samples is then determined by comparing the OD of the samples to the standard curve</p>

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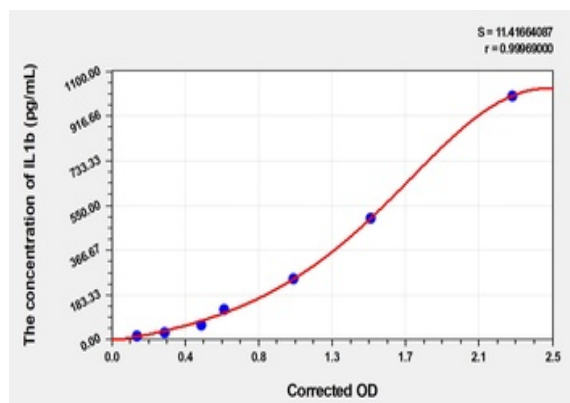
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Assay Type	Sandwich
Assay Time	3.5h
Range	15.63-1000 pg/mL
Sensitivity	4.83 pg/mL
Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Note	For research use only

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