

Product Datasheet

Mouse Interleukin 1 Beta (IL1b) Microsample ELISA Kit (orb1736445)

Catalog Number	orb1736445
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 Mouse IL1b. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse 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 Mouse 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 450nm \pm 10nm. The concentration of Mouse IL1b in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Mouse
Concentration	1000 pg/mL
UniProt ID	P10749

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Application notes

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 Mouse IL1b. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse 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 Mouse 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 Mouse IL1b 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

6.7 pg/mL

Sample Types

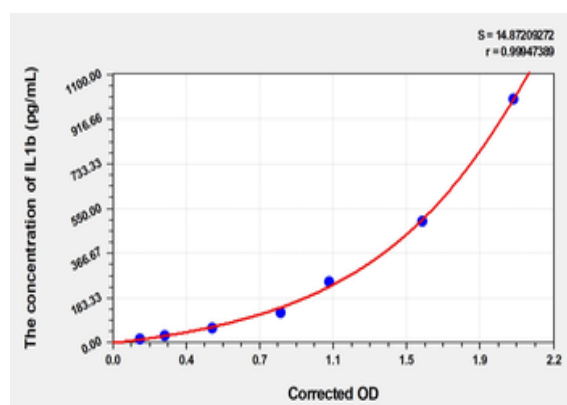
serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Note

For research use only

Expiration Date

6 months from date of receipt.



Standard curve for orb1736445 ELISA kit.

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