

Product Datasheet

Rat Insulin Like Growth Factor 1 (IGF1) ELISA Kit (orb2668093)

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| Catalog Number | orb2668093 |
| Category | Assays and Kits |
| Description | Rat Insulin Like Growth Factor 1 (IGF1) ELISA Kit |
| Reactivity | Rat |
| UniProt ID | P08025 |
| Application notes | <p>standard: 1000 ng/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 Rat IGF1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat IGF1. 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 Rat IGF1, 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 Rat IGF1 in the samples is then determined by comparing the OD of the samples to the standard curve</p> |
| Assay Type | Sandwich |
| Assay Time | 3.5h |
| Range | 15.63-1000 ng/mL |
| Sensitivity | 4.51 ng/mL |
| Sample Types | serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids |

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Note For research use only

Expiration Date 6 months from date of receipt.

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