

## Product Datasheet

# Rat Beta-Site APP Cleaving Enzyme 1 (bACE1) ELISA Kit (orb777177)

|                            |   |
|----------------------------|---|
| <b>Catalog Number</b>      | orb777177   |
| <b>Category</b>            | Assays and Kits   |
| <b>Description</b>         | 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 Beta-Site APP Cleaving Enzyme 1(bACE1).   |
| <b>Reactivity</b>          | Rat   |
| <b>Concentration</b>       | 1000 pg/mL  |
| <b>UniProt ID</b>          | <b>P56819</b>   |
| <b>Tested applications</b> | ELISA   |
| <b>Application notes</b>   | 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 Rat bACE1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat bACE1. 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 bACE1, 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 ± 10nm. The concentration of Rat bACE1 in the samples is then determined by comparing the OD of the samples to the standard curve |
| <b>Assay Type</b>          | Sandwich  |
| <b>Assay Time</b>          | 3.5h  |

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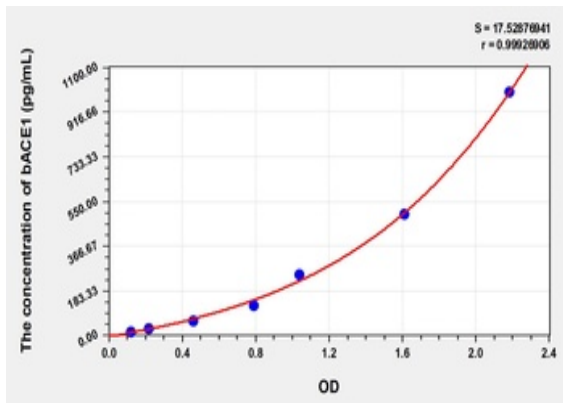
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|                        |   |
|------------------------|---|
| <b>Range</b>           | 15.63-1000 pg/mL  |
| <b>Sensitivity</b>     | 6.7 pg/mL   |
| <b>Sample Types</b>    | Serum, plasma, cerebrospinal fluid and other biological fluids. |
| <b>Note</b>            | For research use only   |
| <b>Expiration Date</b> | Please enquire.   |

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