

## Product Datasheet

# Mouse Cytochrome P450 27B1 (CYP27B1) ELISA Kit (orb780830)

|                            |   |
|----------------------------|---|
| <b>Catalog Number</b>      | orb780830   |
| <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 Cytochrome P450 27B1(CYP27B1).  |
| <b>Reactivity</b>          | Mouse   |
| <b>Concentration</b>       | 40 ng/mL  |
| <b>UniProt ID</b>          | <b>O35084</b>   |
| <b>Tested applications</b> | ELISA   |
| <b>Application notes</b>   | standard: 40 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 Mouse CYP27B1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse CYP27B1. 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 CYP27B1, 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 CYP27B1 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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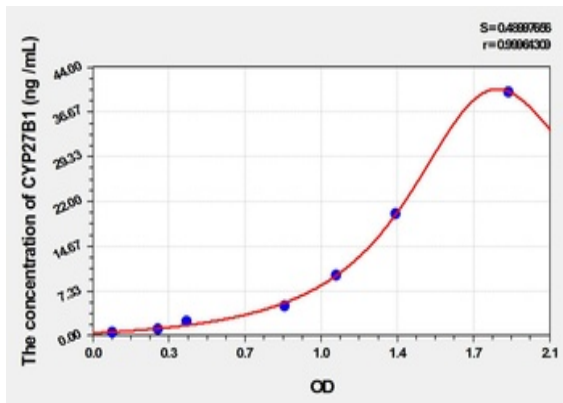
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|                        |   |
|------------------------|---|
| <b>Range</b>           | 0.63-40 ng/mL   |
| <b>Sensitivity</b>     | 0.228 ng/mL   |
| <b>Sample Types</b>    | Tissue homogenates, cell lysates and other biological fluids. |
| <b>Note</b>            | For research use only   |
| <b>Expiration Date</b> | Please enquire.   |



Standard curve for orb780830 ELISA kit.

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