

## Rat ATP5b (ATPase, H<sup>+</sup> Transporting, Mitochondrial F1 Complex beta Polypeptide) ELISA kit

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This kit applies sandwich ELISA method for the quantitative detection of ATP5b (ATPase, H<sup>+</sup> Transporting, Mitochondrial F1 Complex beta Polypeptide) in rat samples. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat ATP5b. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat ATP5b. 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 ATP5b, 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 ATP5b in the samples is then determined by comparing the OD of the samples to the standard curve.

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| Catalog No.          | 3037358  |
| Size                 | 96-Wells   |
| Product Category     | ELISA (Quantitative)                                       |
| Reactivity           | Rat  |
| Sample               | Serum; Plasma; Tissue Homogenates; Other Biological Fluids |
| Assay Method         | Sandwich ELISA   |
| Assay Duration       | 3.5 hours  |
| Sensitivity          | 1.21 ng/mL   |
| Standard Curve Range | 3.13-200 ng/mL   |
| Storage/Stability    | -20°C/1 year; 4°C/6 months                                 |

