

## Mouse Apelin (APLN) Rapid ELISA kit

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This Rapid ELISA kit applies Competitive Inhibition enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with Mouse APLN. During the reaction, Mouse APLN in the sample or standard competes with a fixed amount of Mouse APLN on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Mouse APLN. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of  $450\text{ nm} \pm 2\text{ nm}$ . The concentration of Mouse APLN in tested samples can be calculated by comparing the OD of the samples to the standard curve.

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|----------------------|------------------------------------------------------------|
| Catalog No.          | 3531253                                                    |
| Size                 | 96-Well Tests                                              |
| Product Category     | Rapid ELISA                                                |
| Reactivity           | Mouse                                                      |
| Sample               | Serum; Plasma; Tissue Homogenate; Other Biological Samples |
| Assay Method         | Competitive Inhibition ELISA                               |
| Assay Duration       | 45 min                                                     |
| Sensitivity          | 75 pg/mL                                                   |
| Standard Curve Range | 125-8000 pg/mL                                             |
| Storage/Stability    | -20°C/1 year; 4°C/6 months                                 |

