

Rat Melanocortin Receptor 4 (MC4R) Rapid ELISA kit

This Rapid ELISA kit applies Sandwich enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat MC4R. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat MC4R and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat MC4R, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of $450\text{ nm} \pm 2\text{ nm}$. The OD value is proportional to the concentration of Rat MC4R. You can calculate the concentration of Rat MC4R in the samples by comparing the OD of the samples to the standard curve.

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| Catalog No. | 3543476 |
| Size | 96-Well Tests |
| Product Category | Rapid ELISA |
| Reactivity | Rat |
| Sample | Serum; Plasma; Tissue Homogenate; Other Biological Samples |
| Assay Method | Sandwich ELISA |
| Assay Duration | 1.5H |
| Sensitivity | 75 pg/mL |
| Standard Curve Range | 125-8000 pg/mL |
| Storage/Stability | -20°C/1 year; 4°C/6 months |

