

Rat DRD4 (Dopamine Receptor D4) ELISA kit

This kit applies sandwich ELISA method for the quantitative detection of DRD4 (Dopamine Receptor D4) in rat samples. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat DRD4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat DRD4. 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 DRD4, 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 DRD4 in the samples is then determined by comparing the OD of the samples to the standard curve.

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| Catalog No. | 3034578 |
| Size | 96-Wells |
| Product Category | ELISA (Quantitative) |
| Reactivity | Rat |
| Sample | Tissue Homogenates; Cell Lysates; Other Biological Fluids |
| Assay Method | Sandwich ELISA |
| Assay Duration | 3.5 hours |
| Sensitivity | 0.054 ng/mL |
| Standard Curve Range | 0.16-10 ng/mL |
| Storage/Stability | -20°C/1 year; 4°C/6 months |