

## Rat CREB (Cyclic AMP Response Element Binding Protein) ELISA kit

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

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|----------------------|---------------------------------------------|
| Catalog No.          | 3039706                                     |
| Size                 | 96-Wells                                    |
| Product Category     | ELISA (Quantitative)                        |
| Reactivity           | Rat                                         |
| Sample               | Tissue Homogenates; Other Biological Fluids |
| Assay Method         | Sandwich ELISA                              |
| Assay Duration       | 3.5 hours                                   |
| Sensitivity          | 0.132 ng/mL                                 |
| Standard Curve Range | 0.32-20 ng/mL                               |
| Storage/Stability    | -20°C/1 year; 4°C/6 months                  |