

## Rat Rac1 (Ras Related C3 Botulinum Toxin Substrate 1) ELISA kit

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This kit applies sandwich ELISA method for the quantitative detection of Rac1 (Ras Related C3 Botulinum Toxin Substrate 1) in rat samples. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat Rac1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat Rac1. 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 Rac1, 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 Rac1 in the samples is then determined by comparing the OD of the samples to the standard curve.

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| Catalog No.          | 3037967   |
| 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          | 0.059 ng/mL   |
| Standard Curve Range | 0.16-10 ng/mL   |
| Storage/Stability    | -20°C/1 year; 4°C/6 months                                |