

## Rat Orphanin FQ/Nociceptin (OFQ/N) 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 Rat OFQ/N. During the reaction, Rat OFQ/N in the sample or standard competes with a fixed amount of Rat OFQ/N on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat OFQ/N. 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 Rat OFQ/N in tested samples can be calculated by comparing the OD of the samples to the standard curve.

Catalog No.	3541756
Size	96-Well Tests
Product Category	Rapid ELISA
Reactivity	Rat
Sample	Serum; Plasma; Tissue Homogenate; Other Biological Samples
Assay Method	Competitive Inhibition ELISA
Assay Duration	45 min
Sensitivity	9.38 pg/mL
Standard Curve Range	15.63-1000 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months

