

Product Datasheet

Rat Phospho Extracellular Signal Regulated Kinase 1/2 (pERK1/2) ELISA Kit (orb1947375)

Catalog Number	orb1947375
Category	Assays and Kits
Description	Rat Phospho Extracellular Signal Regulated Kinase 1/2 (pERK1/2) ELISA Kit
Target	pERK1/2
Reactivity	Rat
Application notes	<p>This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat pERK1/2. 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 pERK1/2 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 pERK1/2, 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 nm \pm 2 nm. The OD value is proportional to the concentration of Rat pERK1/2. You can calculate the concentration of Rat pERK1/2 in the samples by comparing the OD of the samples to the standard curve.</p>
Assay Type	Sandwich
Assay Time	3.5H
Standard	10ng/mL
Range	0.16-10ng/mL

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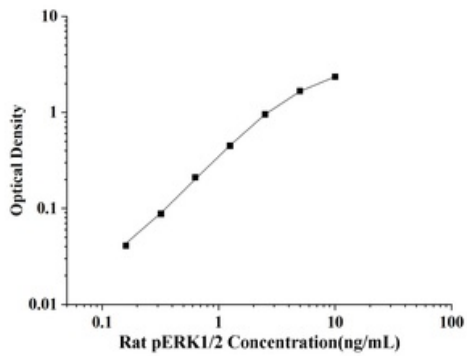
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Sensitivity	0.1 ng/mL
Sample Types	serum, plasma, Tissue homogenate and Other biological samples
Note	For research use only
Expiration Date	6 months from date of receipt.

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