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## Product Datasheet

### Human Phospho Extracellular Signal Regulated Kinase 1/2 (pERK1/2) ELISA Kit BYT-ORB1807266

Artikelname	Human Phospho Extracellular Signal Regulated Kinase 1/2 (pERK1/2) ELISA Kit
Artikelnummer	BYT-ORB1807266
Hersteller Artikelnummer	orb1807266
Alternativnummer	BYT-ORB1807266-48,BYT-ORB1807266-96
Hersteller	Biorbyt
Kategorie	Kits/Assays
Spezies Reaktivität	Human
Produktbeschreibung	Human Phospho Extracellular Signal Regulated Kinase 1/2 (pERK1/2) ELISA Kit...
Detektionsbereich	31.25-2000pg/mL
Sensitivitaet	13.7 pg/mL
Proben	serum, plasma, Tissue homogenate and Other biological samples
Target-Kategorie	pERK

Anwendungsbeschreibung

Application Notes: 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 Human 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 Human 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 Human 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 Human pERK1/2. You can calculate the concentration of Human pERK1/2 in the samples by comparing the OD of the samples to the standard curve