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## Product Datasheet

### **Mouse Phospho Extracellular Signal Regulated Kinase 1/2 (pERK1/2) ELISA Kit BYT-ORB1947376**

Article Name	Mouse Phospho Extracellular Signal Regulated Kinase 1/2 (pERK1/2) ELISA Kit
Biozol Catalog Number	BYT-ORB1947376
Supplier Catalog Number	orb1947376
Alternative Catalog Number	BYT-ORB1947376-48,BYT-ORB1947376-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Mouse
Product Description	Mouse Phospho Extracellular Signal Regulated Kinase 1/2 (pERK1/2) ELISA Kit...
Range	1.57-100ng/mL
Sensitivity	0.94 ng/mL
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	pERK1/2

Application Notes

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 Mouse 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 Mouse 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 Mouse 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. The OD value is proportional to the concentration of Mouse pERK1/2. You can calculate the concentration of Mouse pERK1/2 in the samples by comparing the OD of the samples to the standard curve