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## Product Datasheet

### Rat Uncoupling Protein 1, Mitochondrial (UCP1) ELISA Kit BYT-ORB780169

Article Name	Rat Uncoupling Protein 1, Mitochondrial (UCP1) ELISA Kit
Biozol Catalog Number	BYT-ORB780169
Supplier Catalog Number	orb780169
Alternative Catalog Number	BYT-ORB780169-48, BYT-ORB780169-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Rat
Product Description	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Uncoupling Protein 1, Mitochondrial(UCP1)....
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.117 ng/mL
UniProt	<a href="#">P04633</a>
Samples	tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Application Notes: standard: 20 ng/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat UCP1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat UCP1. 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 UCP1, 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 10nm. The concentration of Rat UCP1 in the samples is then determined by comparing the OD of the samples to the standard curve