

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Human mTOR(MammalianTarget of Rapamycin) Microsample ELISA Kit BYT-ORB2997300

Article Name	Human mTOR(MammalianTarget of Rapamycin) Microsample ELISA Kit
Biozol Catalog Number	BYT-ORB2997300
Supplier Catalog Number	orb2997300
Alternative Catalog Number	BYT-ORB2997300-48,BYT-ORB2997300-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Human
Product Description	Human mTOR(MammalianTarget of Rapamycin) Microsample ELISA Kit...
Range	0.16-10 ng/mL
Sensitivity	0.1 ng/mL
UniProt	<a href="#">P42345</a>
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Application Notes: 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 Human mTOR. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human mTOR. 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 Human mTOR, 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 Human mTOR in the samples is then determined by comparing the OD of the samples to the standard curve