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Product Datasheet

General Phosphatidylinositol Trisphosphate (PIP3) ELISA Kit BYT-ORB782079

Article Name	General Phosphatidylinositol Trisphosphate (PIP3) ELISA Kit
Biozol Catalog Number	BYT-ORB782079
Supplier Catalog Number	orb782079
Alternative Catalog Number	BYT-ORB782079-48, BYT-ORB782079-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	All
Product Description	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Phosphatidylinositol Trisphosphate(PIP3) protein. Standards or samples are added to the appropriate microti...
Concentration	500 ng/mL
Range	7.82-500 ng/mL
Sensitivity	2.84 ng/mL
Samples	serum, plasma and other biological fluids

Application Notes

Application Notes: standard: 500 ng/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with PIP3 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to PIP3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 PIP3 in the samples is then determined by comparing the OD of the samples to the standard curve