

Product Datasheet

General Inositol Triphosphate (IP3) ELISA Kit (orb781984)

Catalog Number	orb781984
Category	Assays and Kits
Description	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Inositol Triphosphate(IP3) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Inositol Triphosphate(IP3).
Reactivity	All
Concentration	10000 pg/mL
Tested applications	ELISA
Application notes	standard: 10000 pg/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with IP3 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to IP3. 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 $\pm$ 10nm. The concentration of IP3 in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Competitive
Assay Time	2.5h
Range	156.25-10000 pg/mL
Sensitivity	48.6 pg/mL

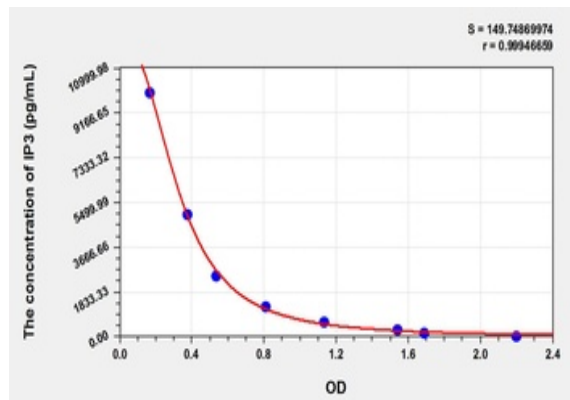
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Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Note	For research use only
Expiration Date	Please enquire.

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