

Product Datasheet

General Vitamin D3 (VD3) ELISA Kit (orb781939)

Catalog Number	orb781939
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 Vitamin D3(VD3) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Vitamin D3(VD3).
Reactivity	All
Concentration	400 ng/mL
Tested applications	ELISA
Application notes	standard: 400 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 VD3 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to VD3. 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 VD3 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	6.25-400 ng/mL
Sensitivity	2.12 ng/mL
Sample Types	serum, plasma and other biological fluids
Note	For research use only

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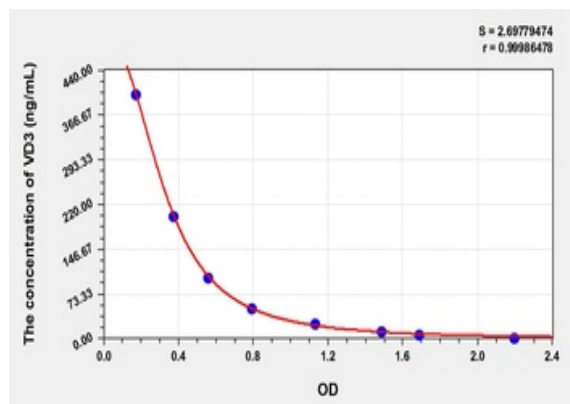
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Expiration Date

Please enquire.



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