

Product Datasheet

General 3-Nitrotyrosine (3-NT) ELISA Kit (orb781703)

Catalog Number	orb781703
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 Nitrotyrosine(NT) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Nitrotyrosine(NT).
Reactivity	All
Concentration	300 ng/mL
Tested applications	ELISA
Application notes	standard: 300 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 3-NT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 3-NT. 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 3-NT 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	4.69-300 ng/mL
Sensitivity	1.4 ng/mL

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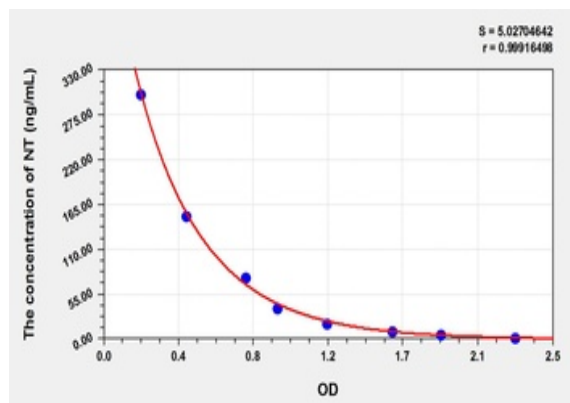
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Sample Types serum, plasma and other biological fluids

Note For research use only

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