

Product Datasheet

General Nitrotyrosine (NT) ELISA Kit (orb1994886)

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| Description | This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with NT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 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 $450\text{nm} \pm 10\text{nm}$. The concentration of NT in the samples is then determined by comparing the OD of the samples to the standard curve. |
| Reactivity | All |
| Range | 7.82-500 ng/mL |
| Concentration | 500 ng/mL |
| Note | For research use only |
| 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 NT protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 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 $450\text{nm} \pm 10\text{nm}$. The concentration of NT in the samples is then determined by comparing the OD of the samples to the standard curve |
| Sample Types | serum, plasma and other biological fluids |
| Sensitivity | 2.1 ng/mL |
| Expiration Date | Please enquire. |

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