

Product Datasheet

General Nitrotyrosine (NT) ELISA Kit (orb1994886)

Catalog Number orb1994886

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 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 $450 \, \mathrm{nm} \pm 10 \, \mathrm{nm}$. The concentration of NT in the samples is then determined by comparing the OD of

the samples to the standard curve.

Reactivity All

Concentration 500 ng/mL

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

Assay Type Competitive

Assay Time 2.5h

Range 7.82-500 ng/ml

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Sensitivity 2.1 ng/mL

Sample Types serum, plasma and other biological fluids

Note For research use only

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$$\label{eq:problem} \begin{split} & \text{Email: } \underline{\textbf{info@biorbyt.com}}, \underline{\textbf{support@biorbyt.com}} \\ & \text{Phone: } \underline{\textbf{+44 (0)1223 859353}} \mid \text{Fax: } \underline{\textbf{+1 (415) 651-8558}} \end{split}$$

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