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ELISA Kit for Neurotrophin 4 (NT4)

Catalog No: tcue1217

Available Sizes

Size: 96T

Specifications

Research Area:
Cytokine;Neuro science;

Species Reactivity:
Rattus norvegicus (Rat)

Sample Type:
Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Sensitivity:
The minimum detectable dose of this kit is typically less than 3.1pg/mL

Detection Range:
7.81-500pg/mL

Assay Time:
3h

Detection Method:
Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:
ELISA

Test Principle

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Neurotrophin 4 (NT4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Neurotrophin 4 (NT4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Neurotrophin 4 (NT4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is

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terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Neurotrophin 4 (NT4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.