

## Product Datasheet

# Zebrafish Neurotrophin 3 (NT3) ELISA Kit (orb1173561)

**Description**

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 3(NT3). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Neurotrophin 3(NT3). 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 3(NT3), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 Neurotrophin 3(NT3) in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity**

Zebrafish

**Range**

78.13-5000 pg/mL

**Tested Applications**

ELISA

**Concentration**

5000 pg/mL

**Note**

For research use only

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**Application notes**

standard: 5000 pg/mL. 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 Zebrafish NT3. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Zebrafish NT3. 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 Zebrafish NT3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 Zebrafish NT3 in the samples is then determined by comparing the OD of the samples to the standard curve

**Sample Types**

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

**Assay Time**

3.5h

**Uniprot ID**

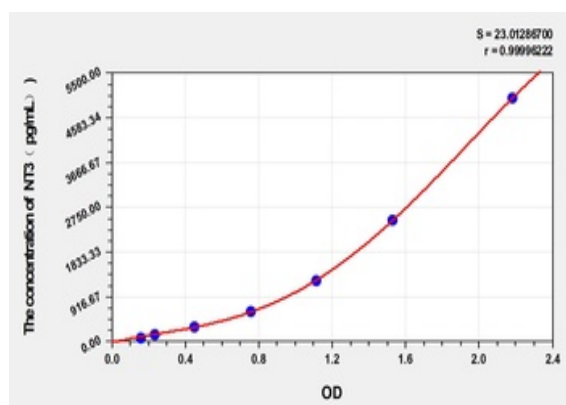
**Q568T2**

**Sensitivity**

29 pg/mL

**Expiration Date**

Please enquire.

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