

ELISA Kit for N-Acetyl Beta-D-Glucosaminidase (NAGase)

Catalog No: **tcue1589**



Available Sizes

Size: 96T



Specifications

Research Area:

Enzyme & Kinase; Kidney biomarker;

Species Reactivity:

Rattus norvegicus (Rat)

Sample Type:

urine

Sensitivity:

The minimum detectable dose of this kit is typically less than 0.55ng/mL

Detection Range:

1.56-100ng/mL

Assay Time:

3h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:

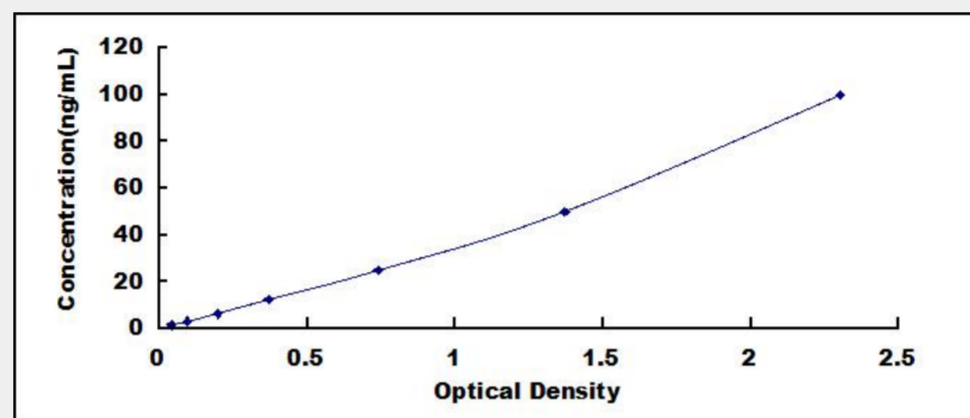
ELISA

SwissProt:

Q8VIJ5

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 N-Acetyl Beta-D-Glucosaminidase (NAGase). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to N-Acetyl Beta-D-Glucosaminidase (NAGase). 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 N-Acetyl Beta-D-Glucosaminidase (NAGase), 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 N-Acetyl Beta-D-Glucosaminidase (NAGase) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!