

ELISA Kit for Arachidonate-5-Lipoxygenase (ALOX5)

Catalog No: tcue1826



Available Sizes

Size: 96T



Specifications

Research Area:

Enzyme & Kinase;Metabolic pathway;Tumor immunity;Cardiovascular biology;Neuro science;

Species Reactivity:

Rattus norvegicus (Rat)

Sample Type:

tissue homogenates, cell lysates and other biological fluids

Sensitivity:

The minimum detectable dose of this kit is typically less than 0.27ng/mL

Detection Range:

0.78-50ng/mL

Assay Time:

3h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

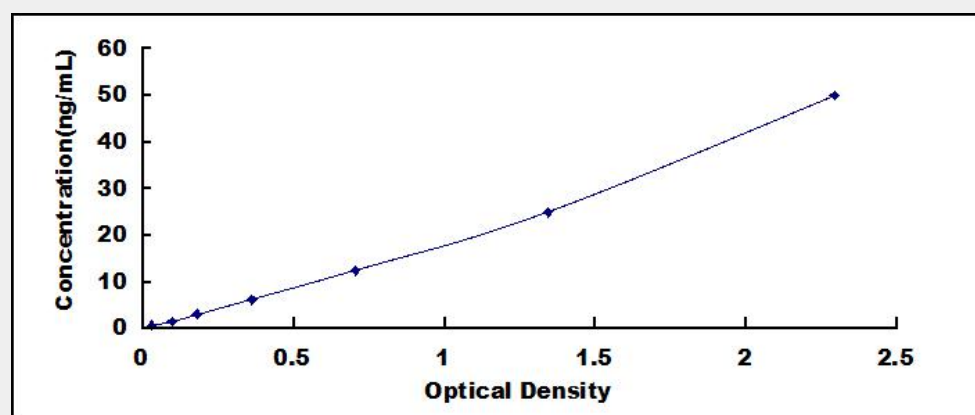
Tested Application:

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 Arachidonate-5-Lipoxygenase (ALOX5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Arachidonate-5-Lipoxygenase (ALOX5). 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 Arachidonate-5-Lipoxygenase (ALOX5), 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 Arachidonate-5-Lipoxygenase (ALOX5) 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!