

ABG517727: Mouse Cystathionine Gamma-Lyase (CTH) ELISA Kit

Description

Mouse Cystathionine Gamma-Lyase (CTH) ELISA Kit is an ELISA Kit for the in vitro quantitative measurement of Mouse Cystathionine gamma-lyase concentrations in serum, plasma, tissue homogenates, cell culture supernatants and other biological fluids.

Target Cystathionine Gamma-Lyase (CTH)

Reactivity Mouse

Tested Applications ELISA

Recommended dilutions Optimal dilutions/concentrations should be determined by the end user.

Validity The validity for this kit is 6 months.

Stability The stability of the kit is determined by the rate of activity loss. The loss rate is less than 5% within the expiration date under appropriate

UniProt Primary AC Q8VCN5 (UniProt, ExPASy)

UniProt Secondary AC Q6H324

UniProt Entry Name CGL_MOUSE

Gene Symbol CTH

KEGG mmu:107869

String 10090.ENSMUSP00000113672

Test Range 0.78 ng/ml - 50 ng/ml

Sensitivity < 0.4 ng/ml

Standard Form Lyophilized

Detection Method Colorimetric

Assay Type Sandwich

Assay Data Quantitative

Sample Type Serum, plasma, tissue homogenates, cell culture supernatants and other biological fluids.

Assay Principle This kit is based on sandwich enzyme-linked immuno-sorbent assay technology. An antibody is pre-coated onto a 96-well plate. Standards, test samples, and biotin-conjugated reagent are added to the wells and incubated. The HRP-conjugated reagent is then added, and the whole plate is incubated. Unbound conjugates are removed using wash buffer at each stage. TMB substrate is used to quantify the HRP enzymatic reaction. After TMB substrate is added, only wells that contain sufficient CTH will produce a blue coloured product, which then changes to yellow after adding the acidic stop solution.

The intensity of the yellow colour is proportional to the CTH amount bound on the plate. The Optical Density (OD) is measured spectrophotometrically at 450 nm in a microplate reader, from which the concentration of CTH can be calculated.

Product Info

Amount : 96 Tests

Storage condition : Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual. To minimize performance fluctuations, operation procedures and lab conditions should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same user throughout.