

ABG254796: Mouse Thioredoxin / TRX (TXN) ELISA Kit

Description

Mouse Thioredoxin / TRX (TXN) ELISA Kit is an ELISA Kit for the in vitro quantitative measurement of Mouse Thioredoxin concentrations in serum, plasma, tissue homogenates and other biological fluids.

Target Thioredoxin / TRX (TXN)

Reactivity Mouse

Tested Applications ELISA

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

Validity The validity for this kit is at least 6 months. Up to 12 months validity can be provided on request.

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 P10639 (UniProt, ExPASy)

UniProt Entry Name THIO_MOUSE

Gene Symbol TXN

GenelD 22166

NCBI Accession NP_035790.1

KEGG mmu:22166

Ensembl ENSMUST00000030051

String 10090.ENSMUSP00000030051

Test Range 62.5 pg/ml - 4000 pg/ml

Sensitivity 37.5 pg/ml

Standard Form Lyophilized

Detection Method Colorimetric

Assay Type Sandwich

Assay Data Quantitative

Sample Type Serum, plasma, tissue homogenates 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 TXN 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 TXN amount bound on the plate. The Optical Density (OD) is measured spectrophotometrically at 450 nm in a microplate reader, from which the concentration of TXN can be calculated.

Product Info

Amount : 96Tests

Storage condition : Storage Shipped at 4 °C. Upon receipt, store the kit according to the storage instruction in the kit's manual. storage conditions. 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.