

# ELISA Kit for ATPase, Ca++ Transporting, Plasma Membrane 2 (ATP2B2)

Catalog No: tcue2593



## Available Sizes

**Size:** 96T



## Specifications

**Research Area:**

Signal transduction;

**Species Reactivity:**

Mus musculus (Mouse)

**Sample Type:**

Tissue homogenates, cell lysates and other biological fluids.

**Sensitivity:**

The minimum detectable dose of this kit is typically less than 0.058ng/mL

**Detection Range:**

0.156-10ng/mL

**Assay Time:**

3h

**Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

**Tested Application:**

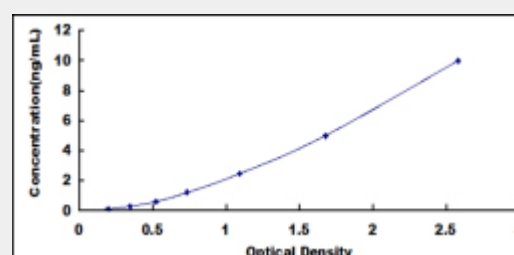
ELISA

**SwissProt:**

Q9R0K7

## 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 ATPase, Ca<sup>++</sup> Transporting, Plasma Membrane 2 (ATP2B2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to ATPase, Ca<sup>++</sup> Transporting, Plasma Membrane 2 (ATP2B2). 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 ATPase, Ca<sup>++</sup> Transporting, Plasma Membrane 2 (ATP2B2), 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 ± 10nm. The concentration of ATPase, Ca<sup>++</sup> Transporting, Plasma Membrane 2 (ATP2B2) 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!