

# ELISA Kit for Acid Sphingomyelinase (ASM) Catalog No: tcue627

**Available Sizes** 

**Size:** 96T

Specifications

**Research Area:** 

Enzyme & Kinase; Metabolic pathway; Neuro science;

**Species Reactivity:** Homo sapiens (Human)

**Sample Type:** Serum, plasma, tissue homogenates and other biological fluids

### Sensitivity:

The minimum detectable dose of this kit is typically less than 0.057ng/mL

**Detection Range:** 

0.156-10ng/mL

Assay Time:

3h

## **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

<b>Tested Application:</b>	
ELISA	

#### SwissProt:

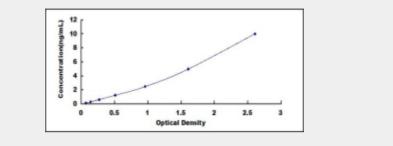
P17405

# **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 Acid Sphingomyelinase (ASM). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Acid Sphingomyelinase (ASM). 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 Acid Sphingomyelinase (ASM), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzymesubstrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of Acid Sphingomyelinase (ASM) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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