

# Mouse Presenilin-2 (PSEN2) ELISA Kit

Catalog No: #EK11397



Package Size: #EK11397-1 48T #EK11397-2 96T

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## Description

Product Name	Mouse Presenilin-2 (PSEN2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	AD3L; AD4; PS2; STM2; Alzheimer s disease 3-like presenilin 2
Accession No.	Q61144
Uniprot	Q61144
GeneID	19165;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PSEN2 in samples. An antibody specific for PSEN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPSEN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSEN2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PSEN2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Presenilin-2is a protein that is encoded by the PSEN2 gene. Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1; PSEN2) or the amyloid precursor protein (APP). These disease-linked mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins are involved in the cleavage of the Notch receptor, such that that they either directly regulate gamma-secretase activity or themselves are protease enzymes. Two alternative transcripts of PSEN2 have been identified. In melanocytic cells PSEN2 gene expression may be regulated by MITF.

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Note: This product is for in vitro research use only