

Mouse Synapsin-1 (SYN1) ELISA Kit

Catalog No: #EK6728



Package Size: #EK6728-1 48T #EK6728-2 96T

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Description

Product Name	Mouse Synapsin-1 (SYN1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP1-230G1.2; SYN1a; SYN1b; SYNI; brain protein 4.1
Accession No.	O88935
Uniprot	O88935
GeneID	20964;
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:0.156-10 ng/mL

Sensitivity:0.054 ng/mL

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 SYN1 in samples. An antibody specific for SYN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySYN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYN1 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 SYN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The synapsin I protein is a member of the synapsin family that are neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases.The phosphoprotein plays a role in regulation of axonogenesis and synaptogenesis.

The protein serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal.Synapsin I is found in two isoforms of the protein, Synapsin Ia and Synapsin Ib, with Synapsin Ib being a slightly shorter version of the protein.

Note: This product is for in vitro research use only