

Mouse Spectrin alpha chain, brain (SPTAN1) ELISA Kit

Catalog No: #EK6626

Package Size: #EK6626-1 48T #EK6626-2 96T

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Description

Product Name	Mouse Spectrin alpha chain, brain (SPTAN1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	(ALPHA)II-SPECTRIN; FLJ44613; NEAS; non-erythrocytic spectrin alpha
Accession No.	P16546
Uniprot	P16546
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:1.56-100 ng/mL

Sensitivity:0.68 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:Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate SPTAN1 in samples. An antibody specific for SPTAN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPTAN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPTAN1 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 SPTAN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Alpha-Fodrin is an intracellular, actin-binding, organ-specific protein of the cytoskeleton. The network of actin and fodrin situated below the plasma membrane of secretorial cells, is important for the alignment of secretorial vesicles to the plasma membrane during secretorial processes. During apoptosis the alpha-fodrin dimer is cleaved into a 120 kDa breakdown product, which is found abundantly in the salivary gland. This proteolysis of fodrin may be a consequence of protease activation during apoptosis. The cleavage product of 120 kDa alpha-fodrin was found to be an important autoantigen in the pathogenesis of organ-specific autoimmune response. Clinical studies have shown, that in patients with Sj?gren Syndrome alpha-fodrin is involved in the stimulation of peripheral blood T-cells.

Note: This product is for in vitro research use only