

Mouse Spectrin alpha Chain, Brain (SPTAN1) ELISA Kit | SPTAN1 elisa kit

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CATALOG #
AAA332261

REACTIVITY
Mouse

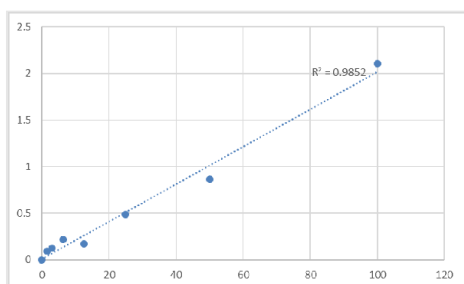
PRODUCT SYNONYMS

Spectrin alpha Chain; Brain (SPTAN1); Mouse Spectrin alpha Chain; Brain (SPTAN1) ELISA Kit; SPTAN1; (ALPHA)II-SPECTRIN; FLJ44613; NEAS; non-erythrocytic spectrin alpha; SPTAN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Spectrin alpha chain, brain (SPTAN1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SPTAN1. No significant cross-reactivity or interference between Mouse SPTAN1 and analogues was observed.
Sequence Length	2472
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Spectrin alpha chain, brain (SPTAN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPTAN1 elisa kit	Description: This Mouse Spectrin alpha chain, brain (SPTAN1) ELISA Kit 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 any SPTAN1 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. Background: 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 esponse. Clinical studies have shown, that in patients with Sjögren Syndrome alpha-fodrin is involved in the stimulation of peripheral blood T-cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	122066202
NCBI GeneID	20740
UniProt Accession #	P16546
NCBI Official Full Name	Spectrin alpha chain, non-erythrocytic 1
NCBI Official Synonym Full Names	spectrin alpha, non-erythrocytic 1
NCBI Official Symbol	Sptan1
NCBI Official Synonym Symbols	Spna2; Spna-2; 2610027H02Rik
NCBI Protein Information	spectrin alpha chain, non-erythrocytic 1
UniProt Protein Name	Spectrin alpha chain, non-erythrocytic 1
UniProt Gene Name	Sptan1
UniProt Synonym Gene Names	Spna2; Spta2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/spectrin-alpha-chain-brain-sptan1/332261>