

Mouse Striatin (STRN) ELISA Kit | STRN elisa kit

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CATALOG #
AAA332283

REACTIVITY
Mouse

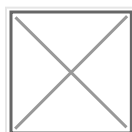
PRODUCT SYNONYMS

Striatin (STRN); Mouse Striatin (STRN) ELISA Kit; STRN; MGC125642; SG2NA; striatin; calmodulin-binding protein; STRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Striatin (STRN) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse STRN. No significant cross-reactivity or interference between Mouse STRN and analogues was observed.
Sequence Length	780
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 Striatin (STRN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STRN elisa kit	Description: This Mouse Striatin (STRN) ELISA Kit employs a two-site sandwich ELISA to quantitate STRN in samples. An antibody specific for STRN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STRN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STRN 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 STRN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Striatin, a quantitatively minor protein belonging to the WD-repeat family of proteins, is a Ca2+/calmodulin-binding protein mostly expressed in the striatum and in the motor and olfactory systems. Generally associated with membranes, striatin is mostly found in dendritic spines where it is likely to play a role in Ca2+-signaling events. The predicted corresponding peptide is potentially able to form a basic amphiphilic helix, as is often the case for many known calmodulin-binding sites. Calmodulin binding to striatin is Ca2+-dependent, with half-maximal binding occurring around 0.5 μM free Ca2+. In the presence of Ca2+, the equilibrium dissociation constant of calmodulin/striatin fusion protein complex is 40 +/- 5 nM.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61098078
NCBI GeneID	268980
NCBI Accession #	NP_035630.2
NCBI GenBank Nucleotide #	NP_035630.2
UniProt Accession #	O55106
NCBI Official Full Name	striatin
NCBI Official Synonym Full Names	striatin, calmodulin binding protein
NCBI Official Symbol	Strn
NCBI Official Synonym Symbols	AU022939; D130055P19
NCBI Protein Information	striatin
UniProt Protein Name	Striatin
UniProt Gene Name	Strn
UniProt Entry Name	STRN_MOUSE

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.