

Rat Stathmin-2 (STMN2) ELISA Kit | STMN2 elisa kit

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CATALOG #
AAA245136

REACTIVITY
Rat

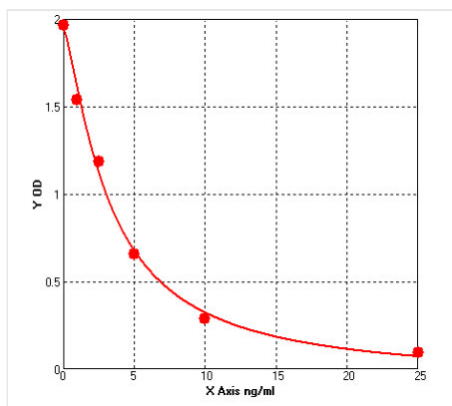
PRODUCT SYNONYMS

Stathmin-2 (STMN2); Rat Stathmin-2 (STMN2) ELISA Kit; STMN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of STMN-2. No significant cross-reactivity or interference between STMN-2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between STMN-2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STMN2 elisa kit	Principle of the Assay: STMN-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-STMN-2 antibody and an STMN-2-HRP conjugate. The assay sample and buffer are incubated together with STMN-2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the STMN-2 concentration since STMN-2 from samples and STMN-2-HRP conjugate compete for the anti-STMN-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by STMN-2 from the sample, fewer sites are left to bind STMN-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The STMN-2 concentration in each sample is interpolated from this standard curve. Intended Uses: This STMN-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat STMN-2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for STMN2 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758184
NCBI GeneID	84510
NCBI Accession #	NP_445892.1
NCBI GenBank Nucleotide #	NM_053440.2
Molecular Weight	20,756 Da
NCBI Official Full Name	stathmin-2
NCBI Official Synonym Full Names	stathmin 2
NCBI Official Symbol	Stmn2
NCBI Official Synonym Symbols	Scg10; Scgn10
NCBI Protein Information	stathmin-2; stathmin-like 2; superior cervical ganglion-10 protein; superiorcervical ganglia, neural specific 10
UniProt Protein Name	Stathmin-2
UniProt Gene Name	Stmn2
UniProt Synonym Gene Names	Scg10; Scgn10; Protein SCG10
UniProt Entry Name	STMN2_RAT

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.