

Mouse Stathmin (STMN1) ELISA Kit | STMN1 elisa kit

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CATALOG #
AAA332281

REACTIVITY
Mouse

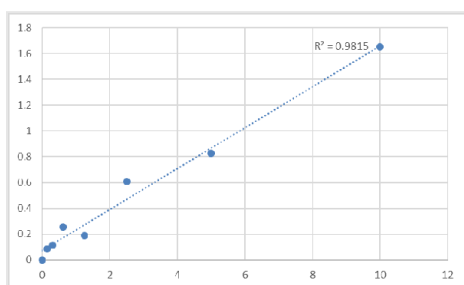
PRODUCT SYNONYMS

Stathmin (STMN1); Mouse Stathmin (STMN1) ELISA Kit; STMN1; RP1-125I3.5; C1orf215; FLJ32206; LAP18; Lag; MGC138869; MGC138870; OP18; PP17; PP19; PR22; SMN; OTTHUMP00000008530; leukemia-associated phosphoprotein p18; metablastin; oncoprotein 18; phosphoprotein 19; STMN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Stathmin (STMN1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse STMN1. No significant cross-reactivity or interference between Mouse STMN1 and analogues was observed.
Sequence Length	149
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 Stathmin (STMN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STMN1 elisa kit	Description: This Mouse Stathmin (STMN1) ELISA Kit employs a two-site sandwich ELISA to quantitate STMN1 in samples. An antibody specific for STMN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STMN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STMN1 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 STMN1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Stathmin 1/oncoprotein 18, also known as STMN1, is a highly conserved 17 kDa protein. Its function as an important regulatory protein of microtubule dynamics has been well characterized. Eukaryotic microtubules are one of three major components of the cell's cytoskeleton. They are highly dynamic structures that continuously alternate between assembly and disassembly. Stathmin performs an important function in regulating rapid microtubule remodeling of the cytoskeleton in response to the cell's needs. Microtubules are cylindrical polymers of alpha,beta-tubulin. Their assembly is in part determined by the concentration of free tubulin in the cytoplasm. At low concentrations of free tubulin, the growth rate at the microtubule ends is slowed and results in an increased rate of depolymerization (disassembly).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9789995
NCBI GeneID	16765
NCBI Accession #	NP_062615.1
NCBI GenBank Nucleotide #	NP_062615.1
UniProt Accession #	P54227
NCBI Official Full Name	stathmin
NCBI Official Synonym Full Names	stathmin 1
NCBI Official Symbol	Stmn1
NCBI Official Synonym Symbols	19k; Lag; P18; P19; Pig; Smn; Op18; Pp17; Pp18; Pp19; Pr22; Lap18
NCBI Protein Information	stathmin
UniProt Protein Name	Stathmin
UniProt Gene Name	Stmn1
UniProt Synonym Gene Names	Lag; Lap18; Pr22; Op18; pp19
UniProt Entry Name	STMN1_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.