

Stathmin 1 (STMN1) ELISA Kit | STMN1 elisa kit

Multi-species Stathmin 1 (STMN1) ELISA Kit

CATALOG #
AAA185979

REACTIVITY
Human, Mouse, Rat

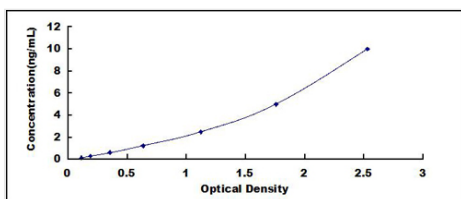
PRODUCT SYNONYMS

Stathmin 1 (STMN1); Multi-species Stathmin 1 (STMN1) ELISA Kit; Human/Mouse/Rat Stathmin 1 (STMN1) (Sandwich ELISA) ELISA Kit; LAP18; C1orf215; Lag; OP18; PP17; PP19; PR22; SMN; Metablastin; Prosalin; Oncoprotein 18; Leukemia-associated phosphoprotein p18; STMN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Stathmin 1 (STMN1). No significant cross-reactivity or interference between Stathmin 1 (STMN1) and analogues was observed.
Sequence Length	149
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/m
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Stathmin 1 (STMN1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Stathmin 1 (STMN1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STMN1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Stathmin 1 (STMN1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Stathmin 1 (STMN1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Stathmin 1 (STMN1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Stathmin 1 (STMN1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	197692597
NCBI GeneID	3925
Molecular Weight	17,331 Da
NCBI Official Full Name	stathmin 1, partial
NCBI Official Synonym Full Names	stathmin 1
NCBI Official Symbol	STMN1
NCBI Official Synonym Symbols	Lag; SMN; OP18; PP17; PP19; PR22; LAP18; C1orf215
NCBI Protein Information	stathmin
UniProt Protein Name	Stathmin
UniProt Gene Name	STMN1

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.