

Human Microtubule-Associated Serine/Threonine-Protein Kinase 1 (MAST1) ELISA Kit | MAST1 elisa kit

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CATALOG # AAA331868	REACTIVITY Human
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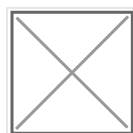
PRODUCT SYNONYMS

Microtubule-Associated Serine/Threonine-Protein Kinase 1 (MAST1); Human Microtubule-Associated Serine/Threonine-Protein Kinase 1 (MAST1) ELISA Kit; MAST1; KIAA0973; SAST; SAST170; syntrophin associated serine/threonine kinase; MAST1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Microtubule-associated serine/threonine-protein kinase 1 (MAST1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAST1. No significant cross-reactivity or interference between Human MAST1 and analogues was observed.
Sequence Length	1570
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. Human Microtubule-associated serine/threonine-protein kinase 1 (MAST1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAST1 elisa kit	Description: This Human Microtubule-associated serine/threonine-protein kinase 1 (MAST1) ELISA Kit employs a two-site sandwich ELISA to quantitate MAST1 in samples. An antibody specific for MAST1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAST1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAST1 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 MAST1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MAST1 shares significant similarity with mouse Mast205 (MAST2). RT-PCR ELISA detected high expression in adult brain, spinal cord, and testis, in fetal brain, and in all specific adult brain regions examined. Expression was moderate in ovary, kidney, and fetal liver, low in pancreas, and very low or undetectable in all other tissues examined. PCR analysis of rat tissues showed that, like Sast170, Sast124 was expressed exclusively in brain. Immunohistochemical analysis detected strong Sast124 staining in neurons of the subventricular zone and granule cells of the olfactory bulb, islands of Calleja, hippocampal dentate gyrus, and cerebellum. Sast124 localized in nuclei of neurons, in glia-like cell bodies in the corpus callosum, and in fiber bundles in the spinal trigeminal and solitary tracts.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45120119
NCBI GeneID	22983
NCBI Accession #	NP_055790
NCBI GenBank Nucleotide #	NP_055790.1
UniProt Accession #	Q9Y2H9
NCBI Official Full Name	microtubule-associated serine/threonine-protein kinase 1
NCBI Official Synonym Full Names	microtubule associated serine/threonine kinase 1
NCBI Official Symbol	MAST1
NCBI Official Synonym Symbols	SAST; MCCCHCM
NCBI Protein Information	microtubule-associated serine/threonine-protein kinase 1
UniProt Protein Name	Microtubule-associated serine/threonine-protein kinase 1
UniProt Gene Name	MAST1
UniProt Entry Name	MAST1_HUMAN

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.