

Human Microtubule-Associated Serine/Threonine-Protein Kinase 3 (MAST3) ELISA Kit | MAST3 elisa kit

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CATALOG # AAA331866	REACTIVITY Human
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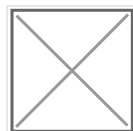
PRODUCT SYNONYMS

Microtubule-Associated Serine/Threonine-Protein Kinase 3 (MAST3); Human Microtubule-Associated Serine/Threonine-Protein Kinase 3 (MAST3) ELISA Kit; MAST3; KIAA0561; MAST3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Microtubule-associated serine/threonine-protein kinase 3 (MAST3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAST3. No significant cross-reactivity or interference between Human MAST3 and analogues was observed.
Sequence Length	1309
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 3 (MAST3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAST3 elisa kit	Description: This Human Microtubule-associated serine/threonine-protein kinase 3 (MAST3) ELISA Kit employs a two-site sandwich ELISA to quantitate MAST3 in samples. An antibody specific for MAST3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAST3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAST3 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 MAST3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: By sequencing clones obtained from a size-fractionated brain cDNA library, Nagase et al. (1998) cloned MAST3, which they designated KIAA0561. The transcript contains repetitive elements in its 3-prime UTR, and the deduced 1,308-amino acid protein shares significant similarity with mouse Mast205 (MAST2) and human MAST4. RT-PCR detected variable MAST3 expression in all tissues examined, with highest levels in kidney, brain, and small intestine. Valiente et al. (2005) showed that the C-terminal tail of human PTEN bound to the PDZ domains of rat Magi2, Magi3, and Dlg (DLG1), mouse Sast (MAST1) and Mast205, and human MAST3. Interaction of PTEN with Magi2 increased PTEN protein stability, and interaction of PTEN with the MAST kinases facilitated phosphorylation of PTEN by these kinases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	150170729
NCBI GeneID	23031
NCBI Accession #	NP_055831.1
NCBI GenBank Nucleotide #	NP_055831.1
UniProt Accession #	O60307
NCBI Official Full Name	microtubule-associated serine/threonine-protein kinase 3
NCBI Official Synonym Full Names	microtubule associated serine/threonine kinase 3
NCBI Official Symbol	MAST3
NCBI Protein Information	microtubule-associated serine/threonine-protein kinase 3
UniProt Protein Name	Microtubule-associated serine/threonine-protein kinase 3
UniProt Gene Name	MAST3
UniProt Synonym Gene Names	KIAA0561
UniProt Entry Name	MAST3_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/microtubule-associated-serine-threonine-protein-kinase-3-mast3/331866>