

Human Microtubule-Associated Serine/Threonine-Protein Kinase 2 (MAST2) ELISA Kit | MAST2 elisa kit

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CATALOG # AAA331867	REACTIVITY Human
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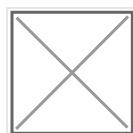
PRODUCT SYNONYMS

Microtubule-Associated Serine/Threonine-Protein Kinase 2 (MAST2); Human Microtubule-Associated Serine/Threonine-Protein Kinase 2 (MAST2) ELISA Kit; MAST2; FLJ39200; KIAA0807; MAST205; MTSSK; RP4-533D7.1; microtubule associated testis specific serine/threonine protein kinase; MAST2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Microtubule-associated serine/threonine-protein kinase 2 (MAST2) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAST2. No significant cross-reactivity or interference between Human MAST2 and analogues was observed.
Sequence Length	1798
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 2 (MAST2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAST2 elisa kit	Description: This Human Microtubule-associated serine/threonine-protein kinase 2 (MAST2) ELISA Kit employs a two-site sandwich ELISA to quantitate MAST2 in samples. An antibody specific for MAST2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAST2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAST2 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 MAST2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The deduced 1,265-amino acid protein shares significant similarity with mouse Mast205. RT-PCR ELISA detected variable MAST2 expression in all tissues examined. The deduced 1,734-amino acid protein has a calculated molecular mass of 190.5 kD. It had an apparent molecular mass of 205 kD by SDS-PAGE. Mast205 contains a central serine/threonine kinase catalytic domain, which includes an ATP-binding consensus sequence, and several potential phosphorylation sites. Northern blot analysis of mouse tissues detected Mast205 expression only in testis. Mast205 expression increased during postnatal testicular development coincident with meiosis/spermiogenesis. Immunofluorescence microscopy showed Mast205 associated with mouse spermatid manchette.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112363080
NCBI GeneID	23139
NCBI Accession #	NP_055927.2
NCBI GenBank Nucleotide #	NP_055927.2
UniProt Accession #	Q6P0Q8
NCBI Official Full Name	microtubule-associated serine/threonine-protein kinase 2 isoform 1
NCBI Official Synonym Full Names	microtubule associated serine/threonine kinase 2
NCBI Official Symbol	MAST2
NCBI Official Synonym Symbols	MTSSK; MAST205
NCBI Protein Information	microtubule-associated serine/threonine-protein kinase 2
UniProt Protein Name	Microtubule-associated serine/threonine-protein kinase 2
UniProt Gene Name	MAST2
UniProt Synonym Gene Names	KIAA0807; MAST205
UniProt Entry Name	MAST2_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.