

Human Mitogen-Activated Protein Kinase 13 (MAPK13) ELISA Kit | MAPK13 elisa kit

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CATALOG #
AAA331882

REACTIVITY
Human

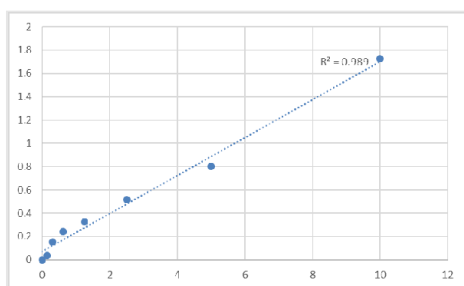
PRODUCT SYNONYMS

Mitogen-Activated Protein Kinase 13 (MAPK13); Human Mitogen-Activated Protein Kinase 13 (MAPK13) ELISA Kit; MAPK13; MGC99536; PRKM13; SAPK4; p38delta; mitogen-activated protein kinase p38 delta; stress-activated protein kinase 4; MAPK13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mitogen-activated protein kinase 13 (MAPK13) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAPK13. No significant cross-reactivity or interference between Human MAPK13 and analogues was observed.
Sequence Length	365
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 Mitogen-activated protein kinase 13 (MAPK13) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAPK13 elisa kit	Description: This Human Mitogen-activated protein kinase 13 (MAPK13) ELISA Kit employs a two-site sandwich ELISA to quantitate MAPK13 in samples. An antibody specific for MAPK13 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAPK13 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAPK13 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 MAPK13 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mitogen Activated Protein Kinase 13 is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is closely related to p38 MAP kinase, both of which can be activated by proinflammatory cytokines and cellular stress. MAP kinase kinases 3, and 6 can phosphorylate and activate this kinase. Transcription factor ATF2, and microtubule dynamics regulator stathmin have been shown to be the substrates of this kinase.Expressed in testes, pancreas, small intestine, lung and kidney. Abundant in macrophages, also present in neutrophils, CD4+ T-cells, and endothelial cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506085
NCBI GeneID	5603
NCBI Accession #	NP_002745.1
NCBI GenBank Nucleotide #	NP_002745.1
UniProt Accession #	O15264
NCBI Official Full Name	mitogen-activated protein kinase 13
NCBI Official Synonym Full Names	mitogen-activated protein kinase 13
NCBI Official Symbol	MAPK13
NCBI Official Synonym Symbols	SAPK4; PRKM13; MAPK 13; MAPK-13; p38delta
NCBI Protein Information	mitogen-activated protein kinase 13
UniProt Protein Name	Mitogen-activated protein kinase 13
UniProt Gene Name	MAPK13
UniProt Synonym Gene Names	PRKM13; SAPK4; MAP kinase 13; MAPK 13; MAP kinase p38 delta
UniProt Entry Name	MK13_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/mitogen-activated-protein-kinase-13-mapk13/331882>