

Human Mitogen-Activated Protein Kinase 12 (MAPK12) ELISA Kit | MAPK12 elisa kit

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CATALOG #
AAA331883

REACTIVITY
Human

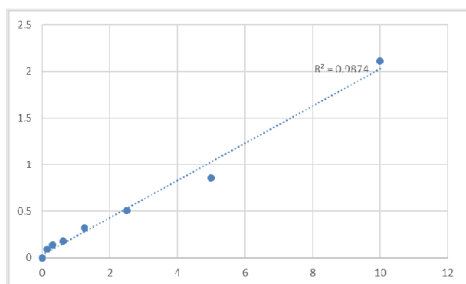
PRODUCT SYNONYMS

Mitogen-Activated Protein Kinase 12 (MAPK12); Human Mitogen-Activated Protein Kinase 12 (MAPK12) ELISA Kit; MAPK12; ERK3; ERK6; P38GAMMA; PRKM12; SAPK-3; SAPK3; mitogen-activated protein kinase 3; stress-activated protein kinase 3; MAPK12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mitogen-activated protein kinase 12 (MAPK12) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAPK12. No significant cross-reactivity or interference between Human MAPK12 and analogues was observed.
Sequence Length	367
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 12 (MAPK12) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAPK12 elisa kit	Description: This Human Mitogen-activated protein kinase 12 (MAPK12) ELISA Kit employs a two-site sandwich ELISA to quantitate MAPK12 in samples. An antibody specific for MAPK12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAPK12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAPK12 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 MAPK12 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Activation of members of the mitogen-activated protein kinase family is a major mechanism for transduction of extracellular signals. Stress-activated protein kinases are one subclass of MAP kinases. The protein encoded by this gene functions as a signal transducer during differentiation of myoblasts to myotubes. By screening with sequences based on those of the rat ERK3 gene, Lechner et al. (1996) isolated an ERK6 clone from a human skeletal muscle cDNA library. They reported that ERK6 appears to function as a signal transducer during differentiation of myoblasts to myotubes. Li et al. (1996) stated that SAPK3 is probably identical to the ERK6 gene cloned by Lechner et al. (1996).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1486363
NCBI GeneID	6300
UniProt Accession #	P53778
NCBI Official Full Name	extracellular signal regulated kinase
NCBI Official Synonym Full Names	mitogen-activated protein kinase 12
NCBI Official Symbol	MAPK12
NCBI Official Synonym Symbols	ERK3; ERK6; ERK-6; SAPK3; PRKM12; SAPK-3; MAPK 12; P38GAMMA
NCBI Protein Information	mitogen-activated protein kinase 12
UniProt Protein Name	Mitogen-activated protein kinase 12
UniProt Gene Name	MAPK12
UniProt Synonym Gene Names	ERK6; SAPK3; MAP kinase 12; MAPK 12; ERK-6
UniProt Entry Name	MK12_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/mitogen-activated-protein-kinase-12-mapk12/331883>