

Human MAP Kinase-Activated Protein Kinase 5 (MAPKAPK5) ELISA Kit | MAPKAPK5 elisa kit

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CATALOG # AAA331876	REACTIVITY Human
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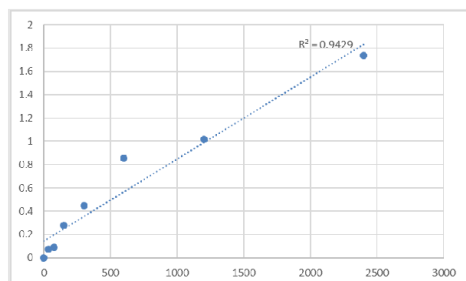
PRODUCT SYNONYMS

MAP Kinase-Activated Protein Kinase 5 (MAPKAPK5); Human MAP Kinase-Activated Protein Kinase 5 (MAPKAPK5) ELISA Kit; MAPKAPK5; PRAK; MAP kinase-activated protein kinase 5; p38-regulated/activated protein kinase; MAPKAPK5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human MAP kinase-activated protein kinase 5 (MAPKAPK5) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAPKAPK5. No significant cross-reactivity or interference between Human MAPKAPK5 and analogues was observed.
Sequence Length	471
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 MAP kinase-activated protein kinase 5 (MAPKAPK5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAPKAPK5 elisa kit	Description: This Human MAP kinase-activated protein kinase 5 (MAPKAPK5) ELISA Kit employs a two-site sandwich ELISA to quantitate MAPKAPK5 in samples. An antibody specific for MAPKAPK5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAPKAPK5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAPKAPK5 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 MAPKAPK5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MAP kinase-activated protein kinase 5 is a member of the serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. In vitro, this kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported. MAPKAPK5 encodes a predicted 471-amino acid protein that shares 20 to 30% sequence identity with RSK, MNK, and MAPKAPK kinases. MAPKAPK5 contains the conserved protein kinase domains I through XI, which are characteristic of all protein kinases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21237765
NCBI GeneID	8550
NCBI Accession #	NP_003659.2
NCBI GenBank Nucleotide #	NP_003659.2
UniProt Accession #	Q8IW41
NCBI Official Full Name	MAP kinase-activated protein kinase 5 isoform 1
NCBI Official Synonym Full Names	MAPK activated protein kinase 5
NCBI Official Symbol	MAPKAPK5
NCBI Official Synonym Symbols	MK5; MK-5; PRAK; MAPKAP-K5
NCBI Protein Information	MAP kinase-activated protein kinase 5
UniProt Protein Name	MAP kinase-activated protein kinase 5
UniProt Gene Name	MAPKAPK5
UniProt Synonym Gene Names	PRAK; MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK-5; MK5; PRAK
UniProt Entry Name	MAPK5_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/map-kinase-activated-protein-kinase-5-mapkapk5/331876>