

Human MAP4K1 (MEK Kinase Kinase 1) ELISA Kit | MAP4K1 elisa kit

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CATALOG #
AAA248980

REACTIVITY
Human

PRODUCT SYNONYMS

MAP4K1 (MEK Kinase Kinase 1); Human MAP4K1 (MEK Kinase Kinase 1) ELISA Kit; MAP4K1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAP2K7. No significant cross-reactivity or interference between MAP2K7 and analogues was observed.
Sequence Length	821
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAP2K7 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MAP2K7 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a MAP4K1 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.035	0.122	0.201	0.352	0.549	1.164	1.423	2.038

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAP4K1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MAP2K7 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MAP2K7 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MAP2K7 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MAP2K7 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611908
NCBI GeneID	11184
NCBI Accession #	NP_001036065.1
NCBI GenBank Nucleotide #	NM_001042600.3
UniProt Accession #	Q92918
Molecular Weight	90,425 Da
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase kinase 1 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase kinase 1
NCBI Official Symbol	MAP4K1
NCBI Official Synonym Symbols	HPK1
NCBI Protein Information	mitogen-activated protein kinase kinase kinase kinase 1
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase kinase 1
UniProt Gene Name	MAP4K1
UniProt Synonym Gene Names	HPK1; MEK kinase kinase 1; MEKKK 1

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://www.aaabiotech.com/human-elisa-kits/map4k1-mek-kinase-kinase-1/248980>