

Human Dual specificity mitogen-activated protein kinase kinase 1 ELISA Kit | MAP2K1 elisa kit

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CATALOG #
AAA98766

REACTIVITY
Human

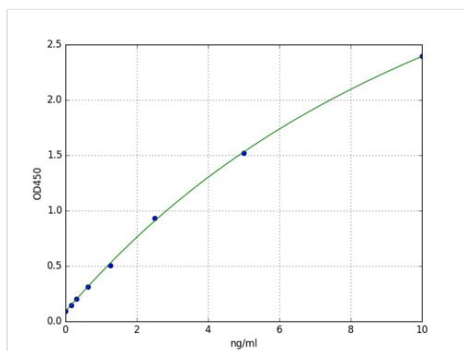
PRODUCT SYNONYMS

Dual specificity mitogen-activated protein kinase kinase 1; Human Dual specificity mitogen-activated protein kinase kinase 1 ELISA Kit; MAP2K1/MEK1/MKK1/dual specificity mitogen-activated protein kinase kinase 1/ERK activator kinase 1/MAP kinase kinase 1/MAPK/ERK kinase 1/MAPKK1/MEK1MAPKK 1/mitogen-activated protein kinase kinase 1/MKK1MEK 1/PRKMK1/protein kinase; mitogen-activated; kinase 1 (MAP kinase kinase 1); MAP2K1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	393
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a MAP2K1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.078	0.142	0.201	0.298	0.525	0.917	1.547	2.437

ADDITIONAL INFORMATION

Related Product Information for MAP2K1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MAP2K1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MAP2K1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 MAP2K1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MAP2K1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5579478
NCBI GeneID	5604
NCBI Accession #	NP_002746.1
NCBI GenBank Nucleotide #	NM_002755.3
Molecular Weight	40,764 Da
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 1
NCBI Official Symbol	MAP2K1
NCBI Official Synonym Symbols	CFC3; MEK1; MKK1; MAPKK1; PRKMK1
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 1
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 1
UniProt Gene Name	MAP2K1
UniProt Synonym Gene Names	MEK1; PRKMK1; MAP kinase kinase 1; MAPKK 1; MKK1; MEK 1
UniProt Entry Name	MP2K1_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/map2k1-human-elisa-kits/dual-specificity-mitogen-activated-protein-kinase-kinase-1/98766>