

Human Mitogen-activated protein kinase 14 ELISA Kit | MAPK14 elisa kit

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CATALOG #
AAA102214

REACTIVITY
Human

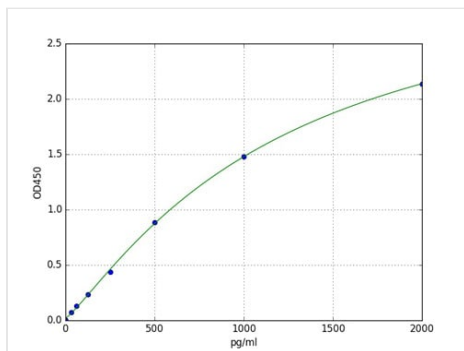
PRODUCT SYNONYMS

Mitogen-activated protein kinase 14; Human Mitogen-activated protein kinase 14 ELISA Kit; MAPK14/SAPK2A/SAPK2a/Mitogen-activated protein kinase p38 alpha/MAP kinase p38 alpha/MAX-interacting protein 2/Cytokine suppressive anti-inflammatory drug-binding protein/CSAID-binding protein/CSBP/MAP kinase MXI2; MAPK14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	360
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/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 Human MAPK14 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	ug/ml	0	1.565	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.300	0.953	1.315	1.716	2.637	2.573	2.794

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAPK14 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human MAPK14 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human MAPK14 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 Human MAPK14 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human MAPK14 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62461582
NCBI GeneID	81649
NCBI Accession #	NP_112282.2
NCBI GenBank Nucleotide #	NM_031020.2
Molecular Weight	41,521 Da
NCBI Official Full Name	mitogen-activated protein kinase 14
NCBI Official Synonym Full Names	mitogen activated protein kinase 14
NCBI Official Symbol	Mapk14
NCBI Official Synonym Symbols	RK; Hog; p38; CRK1; CSBP; Exip; Mxi2; CSPB1; Csbp1; Csbp2; Prkm14; Prkm15; Sapk2A; p38Hog; p38alpha
NCBI Protein Information	mitogen-activated protein kinase 14
UniProt Protein Name	Mitogen-activated protein kinase 14
UniProt Gene Name	Mapk14
UniProt Synonym Gene Names	Csbp1; Csbp2; MAP kinase 14; MAPK 14; MAP kinase p38 alpha
UniProt Entry Name	MK14_RAT

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/mapk14-human-elisa-kits/mitogen-activated-protein-kinase-14/102214>