

Human Mitogen Activated Protein Kinase 14 (MAPK14) ELISA Kit | MAPK14 elisa kit

Human Mitogen Activated Protein Kinase 14 (MAPK14) ELISA Kit

CATALOG #
AAA139128

REACTIVITY
Human

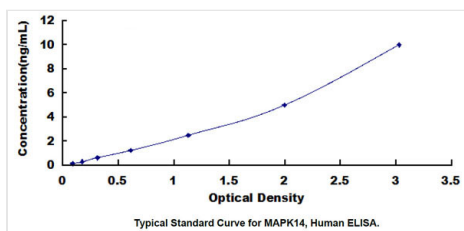
PRODUCT SYNONYMS

Mitogen Activated Protein Kinase 14 (MAPK14); Human Mitogen Activated Protein Kinase 14 (MAPK14) ELISA Kit; CSBP1; CSBP2; CSPB1; EXIP; Mxi2; PRKM14; PRKM15; RK; SAPK2A; P38; Mitogen-activated protein kinase p38 alpha; Cytokine suppressive anti-inflammatory drug-binding protein; MAPK14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAPK14. No significant cross-reactivity or interference between MAPK14 and analogues was observed.
Sequence Length	360
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAPK14 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MAPK14 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAPK14 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MAPK14. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MAPK14. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MAPK14, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MAPK14 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MAPK14 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for MAPK14 elisa kit	Signal transduction; Enzyme & Kinase; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	62461582
NCBI GeneID	81649
NCBI Accession #	NP_112282.2
NCBI GenBank Nucleotide #	NM_031020.2
UniProt Accession #	P70618; O08594; Q99MG4
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.