

Human Mitogen Activated Protein Kinase 12 (MAPK12) ELISA Kit | MAPK12 elisa kit

Human Mitogen Activated Protein Kinase 12 (MAPK12) ELISA Kit

CATALOG #
AAA138526

REACTIVITY
Human

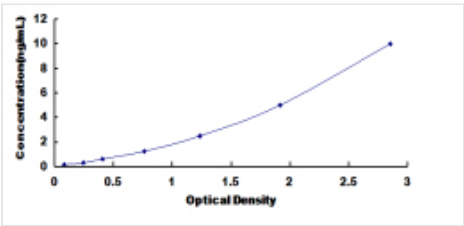
PRODUCT SYNONYMS

Mitogen Activated Protein Kinase 12 (MAPK12); Human Mitogen Activated Protein Kinase 12 (MAPK12) ELISA Kit; ERK6; PRKM12; p38 Gamma; SAPK3; Stress-activated protein kinase 3; Extracellular signal-regulated kinase 6; Mitogen-activated protein kinase p38 gamma; MAPK12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mitogen Activated Protein Kinase 12 (MAPK12). No significant cross-reactivity or interference between Mitogen Activated Protein Kinase 12 (MAPK12) and analogues was observed.
Sequence Length	357
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.072ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mitogen Activated Protein Kinase 12 (MAPK12) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mitogen Activated Protein Kinase 12 (MAPK12) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 MAPK12 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mitogen Activated Protein Kinase 12 (MAPK12). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mitogen Activated Protein Kinase 12 (MAPK12). 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 Mitogen Activated Protein Kinase 12 (MAPK12), 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 Mitogen Activated Protein Kinase 12 (MAPK12) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MAPK12 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255970
NCBI GeneID	6300
NCBI Accession #	NP_002960.2
NCBI GenBank Nucleotide #	NM_002969.4
UniProt Accession #	P53778; Q14260; Q6IC53; Q99588; Q99672
Molecular Weight	40,808 Da
NCBI Official Full Name	mitogen-activated protein kinase 12 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase 12
NCBI Official Symbol	MAPK12
NCBI Official Synonym Symbols	ERK3; ERK6; ERK-6; SAPK3; PRKM12; SAPK-3; MAPK 12; P38GAMMA
NCBI Protein Information	mitogen-activated protein kinase 12
UniProt Protein Name	Mitogen-activated protein kinase 12
UniProt Gene Name	MAPK12
UniProt Synonym Gene Names	ERK6; SAPK3; MAP kinase 12; MAPK 12; ERK-6; MAP kinase p38 gamma
UniProt Entry Name	MK12_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.