

Rat Mitogen-activated protein kinase 1 ELISA Kit | Mapk1 elisa kit

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CATALOG #
AAA56393

REACTIVITY
Rat

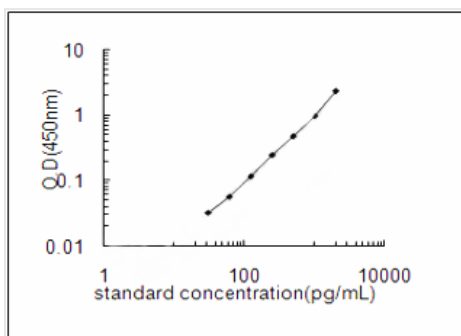
PRODUCT SYNONYMS

Mitogen-activated protein kinase 1; Rat Mitogen-activated protein kinase 1 ELISA Kit; Mapk1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat MAP kinase 1. No significant cross-reactivity or interference was observed.
Sequence Length	360
Assay Type	Sandwich
Detection Range	31.2-2000 pg/mL
Sensitivity	15.74 pg/mL
Intra-Assay CV	<=4.5%
Inter-Assay CV	<=7.9%
Recovery	106%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Mapk1 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MAP kinase 1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for MAP kinase 1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain MAP kinase 1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The concentration of MAP kinase 1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758698
NCBI GeneID	116590
NCBI Accession #	NP_446294.1
NCBI GenBank Nucleotide #	NM_053842.2
UniProt Accession #	P63086; P27703
Molecular Weight	41,276 Da
NCBI Official Full Name	mitogen-activated protein kinase 1
NCBI Official Synonym Full Names	mitogen activated protein kinase 1
NCBI Official Symbol	Mapk1
NCBI Official Synonym Symbols	ERT1; Erk2; ERK-2; p42-MAPK
NCBI Protein Information	mitogen-activated protein kinase 1
UniProt Protein Name	Mitogen-activated protein kinase 1
UniProt Gene Name	Mapk1
UniProt Synonym Gene Names	Erk2; Mapk; Prkm1; MAP kinase 1; MAPK 1; ERK-2; p42-MAPK; MAP kinase 2; MAPK 2
UniProt Entry Name	MK01_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/mapk1-rat-elisa-kits/mitogen-activated-protein-kinase-1/56393>