

Rat Mitogen Activated Protein Kinase -Activa Protein Kinase 3 ELISA Kit | MAPKAPK3 elisa kit

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CATALOG # AAA86645	REACTIVITY Rat
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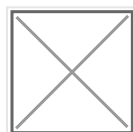
PRODUCT SYNONYMS

Mitogen Activated Protein Kinase -Activa Protein Kinase 3; Rat Mitogen Activated Protein Kinase -Activa Protein Kinase 3 ELISA Kit; MAPKAPK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This MAPK3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MAPK3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAPKAPK3 elisa kit	Principle of the assay: MAPK3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MAPK3 antibody and an MAPK3-HRP conjugate. The assay sample and buffer are incubated together with MAPK3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MAPK3 concentration since MAPK3 from samples and MAPK3-HRP conjugate compete for the anti-MAPK3 antibody binding site. Since the number of sites is limited, as more sites are occupied by MAPK3 from the sample, fewer sites are left to bind MAPK3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MAPK3 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758700
NCBI GeneID	7867
NCBI Accession #	NP_004626.1

NCBI GenBank Nucleotide #	NM_004635.4
Molecular Weight	42,987 Da
NCBI Official Full Name	MAP kinase-activated protein kinase 3
NCBI Official Synonym Full Names	mitogen-activated protein kinase-activated protein kinase 3
NCBI Official Symbol	MAPKAPK3
NCBI Official Synonym Symbols	3PK; MK-3; MAPKAP3; MAPKAP-K3; MAPKAPK-3
NCBI Protein Information	MAP kinase-activated protein kinase 3; MAPKAP kinase 3; chromosome 3p kinase; MAPK-activated protein kinase 3
UniProt Protein Name	MAP kinase-activated protein kinase 3
UniProt Gene Name	MAPKAPK3
UniProt Synonym Gene Names	MAPK-activated protein kinase 3; MAPKAP kinase 3; MAPKAP-K3; MAPKAPK-3; MK-3; 3pK
UniProt Entry Name	MAPK3_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/mapkapk3-rat-elisa-kits/mitogen-activated-protein-kinase-activa-protein-kinase-3/86645>