

Human MAP kinase phosphatase 1 ELISA Kit | MKP 1 elisa kit

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CATALOG #
AAA83137

REACTIVITY
Human

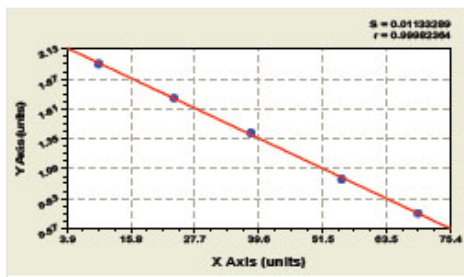
PRODUCT SYNONYMS

MAP kinase phosphatase 1; Human MAP kinase phosphatase 1 ELISA Kit; MKP 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MKP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MKP1. 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 MKP 1 elisa kit

Principle of the assay: MKP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MKP1 antibody and an MKP1-HRP conjugate. The assay sample and buffer are incubated together with MKP1-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 MKP1 concentration since MKP1 from samples and MKP1-HRP conjugate compete for the anti-MKP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MKP1 from the sample, fewer sites are left to bind MKP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MKP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158275088
Molecular Weight	19,680 Da
NCBI Official Full Name	MAP kinase phosphatase 1, partial
UniProt Protein Name	MAP kinase phosphatase 1
UniProt Gene Name	MKP1
UniProt Synonym Gene Names	CHLREDRAFT_44775
UniProt Entry Name	A8J529_CHLRE

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/mkp-1-human-elisa-kits/map-kinase-phosphatase-1/83137>