

Human P 38 Mitogen activated Protein Kinase ELISA Kit | P38MAPK elisa kit

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CATALOG #
AAA82267

REACTIVITY
Human

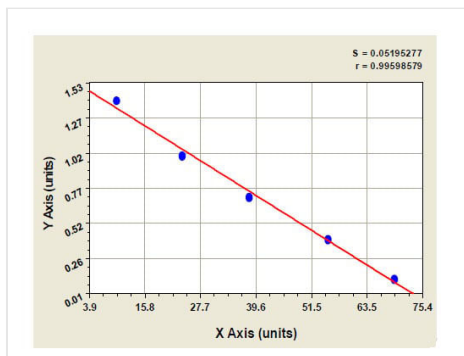
PRODUCT SYNONYMS

P 38 Mitogen activated Protein Kinase; Human P 38 Mitogen activated Protein Kinase ELISA Kit; P38MAPK 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 P38MAPK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human P38MAPK. 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 P38MAPK elisa kit

Principle of the assay: P38MAPK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-P38MAPK antibody and an P38MAPK-HRP conjugate. The assay sample and buffer are incubated together with P38MAPK-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 P38MAPK concentration since P38MAPK from samples and P38MAPK-HRP conjugate compete for the anti-P38MAPK antibody binding site. Since the number of sites is limited, as more sites are occupied by P38MAPK from the sample, fewer sites are left to bind P38MAPK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P38MAPK concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	218749850
NCBI GeneID	100114440
NCBI Accession #	NP_001136337.1
NCBI GenBank Nucleotide #	NM_001142865.1
NCBI Official Full Name	p38 map kinase
NCBI Official Synonym Full Names	p38 map kinase
NCBI Official Symbol	P38mapk
NCBI Protein Information	p38 map kinase

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/p38mapk-human-elisa-kits/p-38-mitogen-activated-protein-kinase/82267>