

ASK1 ELISA Kit | MAP3K5 elisa kit

ASK1 (Phospho-Ser966) Phospho Sandwich ELISA Kit

CATALOG # AAA318619	REACTIVITY Human, Mouse, Rat
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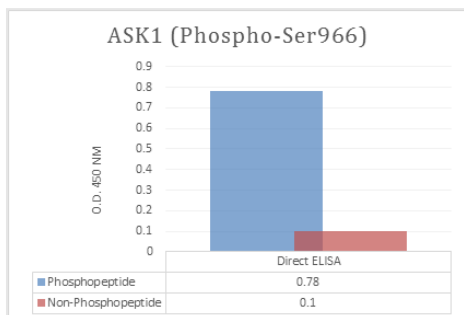
PRODUCT SYNONYMS

ASK1; ASK1 (Phospho-Ser966) Phospho Sandwich ELISA Kit; Apoptosis signal-regulating kinase 1; ASK-1; kinase ASK1; M3K5; MAP3K5; MAPK/ERK kinase kinase 5; MAPKKK5; MEK kinase 5; MEKK 5; MEKK5; Mitogen-activated protein kinase kinase kinase 5; MAP3K5 elisa kit

PRODUCT SPECIFICATIONS

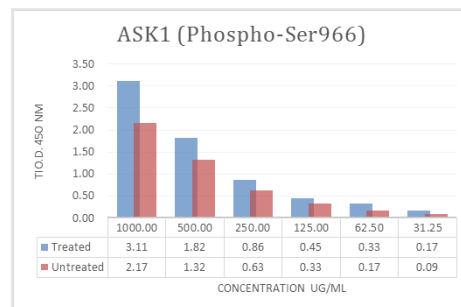
Reactivity	Human, Mouse, Rat
Specificity	The ASK1 (Phospho-Ser966) Phospho Sandwich ELISA Kit is a convenient, lysate- free, high throughput and sensitive assay kit that can detect ASK1 protein phosphorylation and expression profile in cell lysates. The kit can be used for measuring the relative amounts of phosphorylated ASK1 in cultured cells as well as screening for the effects that various treatments, inhibitors (ie. siRNA or chemicals), or activators have on ASK1 phosphorylation.
Sequence Length	1374
Assay Type	Quantitative Sandwich
Preparation and Storage	Store entire kit at 4 degree C until use. Kit expiration is 3 months from date of shipment.

IMAGES



ELISA

Enzyme-Linked Immunosorbent Assay (ELISA) for immunogen phosphor-peptide (left) and non-phospho peptide (right), using Anti-ASK1 (Phospho-Ser966) Antibody.



Application Data

Jurkat cells were grown to 90% confluency and were stimulated with U.V. 150 J/s and incubated for 1 hr. Cells were immediately lysed thereafter and measured for Total Protein Concentration and O.D. 450 nm of ASK1 P-Ser966 versus untreated Jurkat lysates.

ADDITIONAL INFORMATION

Related Product Information for MAP3K5 elisa kit	Principle of the Assay: The Phospho Sandwich ASK1 (Phospho-Ser966) ELISA Kit contains the components necessary for semi-quantitative determination of ASK1 (Phospho-Ser966) concentrations within experimental cell lysate samples. This particular immunoassay utilizes the traditional "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope ASK1 (Phospho-Ser966) while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a colorimetric reaction to ensue upon substrate addition. When the substrate TMB (3, 3', 5, 5'-Tetramethylbenzidine) is added, the reaction catalyzed by peroxidase yields a blue color that is representative of the antigen concentration. Upon sufficient color development, the reaction can be terminated through addition of Stop Solution (2 N Sulfuric Acid) where the color of the solution will turn yellow. The absorbance of each well can then be read by a spectrophotometer where data analysis may begin.
Product Categories/Family for MAP3K5 elisa kit	Phospho Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174547
NCBI GeneID	4217
NCBI Accession #	NP_005914.1
NCBI GenBank Nucleotide #	NP_005914.1
UniProt Accession #	Q99683
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 5
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 5
NCBI Official Symbol	MAP3K5
NCBI Official Synonym Symbols	ASK1; MEKK5; MAPKKK5
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 5
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 5
UniProt Gene Name	MAP3K5
UniProt Synonym Gene Names	ASK1; MAPKKK5; MEKK5; ASK-1; MEK kinase 5; MEKK 5
UniProt Entry Name	M3K5_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/map3k5-human-mouse-rat-elisa-kits/ask1/318619>