

Mouse Apoptosis Signal Regulating Kinase 1 ELISA Kit | ASK1 elisa kit

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CATALOG #
AAA101372

REACTIVITY
Mouse

PRODUCT SYNONYMS

Apoptosis Signal Regulating Kinase 1; Mouse Apoptosis Signal Regulating Kinase 1 ELISA Kit; ASK1/MAP3K5/MEKK5/Apoptosis signal-regulating kinase 1/ASK-1/ASK1MEKK 5/EC 2.7.11/MAP/ERK kinase kinase 5/MAPK/ERK kinase kinase 5/MEK kinase 5/MEKK5apoptosis signal regulating kinase 1/mitogen-activated protein kinase kinase kinase 5; ASK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ASK1. No significant cross-reactivity or interference between ASK1 and analogues was observed.
Sequence Length	1374
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ASK1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ASK1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a ASK1 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.097	0.317	0.567	0.937	1.329	1.829	2.346	2.955

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASK1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ASK1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- ASK1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ASK1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ASK1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66391167
NCBI GeneID	4217
Molecular Weight	69,839 Da
NCBI Official Full Name	apoptosis signal-regulating kinase 1
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/ask1-mouse-elisa-kits/apoptosis-signal-regulating-kinase-1/101372>