

Human MAP2K7 (Dual specificity mitogen-activated protein kinase kinase 7) ELISA Kit | MAP2K7 elisa kit

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CATALOG # AAA248950	REACTIVITY Human
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PRODUCT SYNONYMS

MAP2K7 (Dual specificity mitogen-activated protein kinase kinase 7); Human MAP2K7 (Dual specificity mitogen-activated protein kinase kinase 7) ELISA Kit; MAP2K7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAP1LC3A. No significant cross-reactivity or interference between MAP1LC3A and analogues was observed.
Sequence Length	426
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAP1LC3A 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 MAP1LC3A 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 MAP2K7 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	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.133	0.195	0.232	0.308	0.525	0.971	1.516	2.234

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAP2K7 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MAP1LC3A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MAP1LC3A 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. HRP-Streptavidin 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 MAP1LC3A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MAP1LC3A can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	662033895
NCBI GeneID	5609
NCBI Accession #	NP_001284485.1
NCBI GenBank Nucleotide #	NM_001297556.1
UniProt Accession #	O14733; O14648; O14816; O60452; O60453; Q1PG43; Q8IY10; B2R9S5; D6W659
Molecular Weight	51,881 Da
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 7 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 7
NCBI Official Symbol	MAP2K7
NCBI Official Synonym Symbols	MEK; MKK7; JNKK2; MEK 7; MAPKK7; PRKMK7; SAPKK4; SAPKK-4
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 7
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 7
UniProt Gene Name	MAP2K7
UniProt Synonym Gene Names	JNKK2; MEK7; MKK7; PRKMK7; SKK4; MAP kinase kinase 7; MAPKK 7; MEK 7; SAPK kinase 4; SAPKK-4; SAPKK4; JNK kinase 2; JNKK 2

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/human-elisa-kits/map2k7-dual-specificity-mitogen-activated-protein-kinase-kinase-7/248950>