

Human Dual specificity protein phosphatase 4 ELISA Kit | DUSP4 elisa kit

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CATALOG #
AAA102370

REACTIVITY
Human

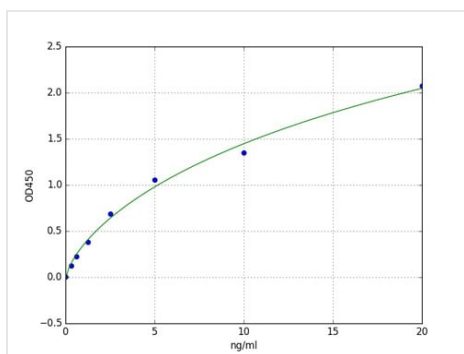
PRODUCT SYNONYMS

Dual specificity protein phosphatase 4; Human Dual specificity protein phosphatase 4 ELISA Kit; DUSP4/Dual specificity protein phosphatase 4/Dual specificity protein phosphatase hVH2/Mitogen-activated protein kinase phosphatase 2/MAP kinase phosphatase 2/MKP-2; DUSP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	394
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
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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a DUSP4 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.010	0.135	0.259	0.410	0.761	1.108	1.546	2.261

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DUSP4 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-DUSP4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-DUSP4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 DUSP4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of DUSP4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503417
NCBI GeneID	1846
NCBI Accession #	NP_001385.1
NCBI GenBank Nucleotide #	NM_001394.6
Molecular Weight	32,993 Da
NCBI Official Full Name	dual specificity protein phosphatase 4 isoform 1
NCBI Official Synonym Full Names	dual specificity phosphatase 4
NCBI Official Symbol	DUSP4
NCBI Official Synonym Symbols	TYP; HVH2; MKP2; MKP-2
NCBI Protein Information	dual specificity protein phosphatase 4
UniProt Protein Name	Dual specificity protein phosphatase 4
UniProt Gene Name	DUSP4
UniProt Synonym Gene Names	MKP2; VH2; MAP kinase phosphatase 2; MKP-2
UniProt Entry Name	DUS4_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/dusp4-human-elisa-kits/dual-specificity-protein-phosphatase-4/102370>