

Human Dual Specificity Phosphatase 1 (DUSP1) ELISA Kit | DUSP1 elisa kit

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CATALOG #
AAA138681

REACTIVITY
Human

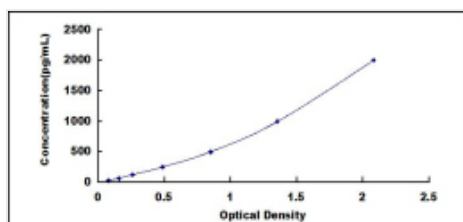
PRODUCT SYNONYMS

Dual Specificity Phosphatase 1 (DUSP1); Human Dual Specificity Phosphatase 1 (DUSP1) ELISA Kit; CL100; HVH1; MKP1; PTPN10; Mitogen-activated protein kinase phosphatase 1; Protein-tyrosine phosphatase CL100; Dual specificity protein phosphatase hVH1; DUSP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Dual Specificity Phosphatase 1 (DUSP1). No significant cross-reactivity or interference between Dual Specificity Phosphatase 1 (DUSP1) and analogues was observed.
Sequence Length	367
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	12.2pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Dual Specificity Phosphatase 1 (DUSP1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Dual Specificity Phosphatase 1 (DUSP1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DUSP1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Dual Specificity Phosphatase 1 (DUSP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Dual Specificity Phosphatase 1 (DUSP1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Dual Specificity Phosphatase 1 (DUSP1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Dual Specificity Phosphatase 1 (DUSP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DUSP1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	18490273
NCBI GeneID	1843
UniProt Accession #	P28562; Q2V508; D3DQL9
Molecular Weight	39,298 Da
NCBI Official Full Name	Dual specificity phosphatase 1
NCBI Official Synonym Full Names	dual specificity phosphatase 1
NCBI Official Symbol	DUSP1
NCBI Official Synonym Symbols	HVH1; MKP1; CL100; MKP-1; PTPN10
NCBI Protein Information	dual specificity protein phosphatase 1
UniProt Protein Name	Dual specificity protein phosphatase 1
UniProt Gene Name	DUSP1
UniProt Synonym Gene Names	CL100; MKP1; PTPN10; VH1; MAP kinase phosphatase 1; MKP-1
UniProt Entry Name	DUS1_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/human-elisa-kits/dual-specificity-phosphatase-1-dusp1/138681>