

Human Dual Specificity Phosphatase 5 (DUSP5) ELISA Kit | DUSP5 elisa kit

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CATALOG #
AAA136032

REACTIVITY
Human

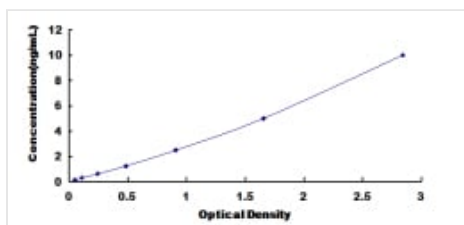
PRODUCT SYNONYMS

Dual Specificity Phosphatase 5 (DUSP5); Human Dual Specificity Phosphatase 5 (DUSP5) ELISA Kit; DUSP; HVH3; Dual specificity protein phosphatase hVH3; DUSP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Dual Specificity Phosphatase 5 (DUSP5). No significant cross-reactivity or interference between Dual Specificity Phosphatase 5 (DUSP5) and analogues was observed.
Sequence Length	384
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/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 5 (DUSP5) 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 5 (DUSP5) 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 DUSP5 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 5 (DUSP5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Dual Specificity Phosphatase 5 (DUSP5). 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 5 (DUSP5), 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 5 (DUSP5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DUSP5 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	62865890
NCBI GeneID	1847
NCBI Accession #	NP_004410.3
NCBI GenBank Nucleotide #	NM_004419.3
UniProt Accession #	Q16690; Q12997; Q5T603
Molecular Weight	42,047 Da
NCBI Official Full Name	dual specificity protein phosphatase 5
NCBI Official Synonym Full Names	dual specificity phosphatase 5
NCBI Official Symbol	DUSP5
NCBI Official Synonym Symbols	DUSP; HVH3
NCBI Protein Information	dual specificity protein phosphatase 5
UniProt Protein Name	Dual specificity protein phosphatase 5
UniProt Gene Name	DUSP5
UniProt Synonym Gene Names	VH3
UniProt Entry Name	DUS5_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-5-dusp5/136032>