

Human Dual Specificity Protein Phosphatase 6 (DUSP6) ELISA Kit | DUSP6 elisa kit

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CATALOG #
AAA331952

REACTIVITY
Human

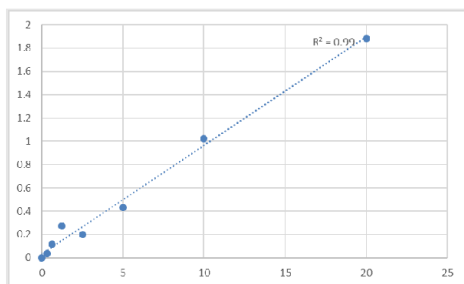
PRODUCT SYNONYMS

Dual Specificity Protein Phosphatase 6 (DUSP6); Human Dual Specificity Protein Phosphatase 6 (DUSP6) ELISA Kit; DUSP6; MKP3; PYST1; MAP kinase phosphatase 3; serine/threonine specific protein phosphatase; DUSP6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Dual specificity protein phosphatase 6 (DUSP6) ELISA Kit has high sensitivity and excellent specificity for detection of Human DUSP6. No significant cross-reactivity or interference between Human DUSP6 and analogues was observed.
Sequence Length	381
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Dual specificity protein phosphatase 6 (DUSP6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for DUSP6 elisa kit	Description: This Human Dual specificity protein phosphatase 6 (DUSP6) ELISA Kit employs a two-site sandwich ELISA to quantitate DUSP6 in samples. An antibody specific for DUSP6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DUSP6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DUSP6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DUSP6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: DUSP6 is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily, which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42764683
NCBI GeneID	1848
NCBI Accession #	NP_001937.2
NCBI GenBank Nucleotide #	NP_001937.2
UniProt Accession #	Q16828
NCBI Official Full Name	dual specificity protein phosphatase 6 isoform a
NCBI Official Synonym Full Names	dual specificity phosphatase 6
NCBI Official Symbol	DUSP6
NCBI Official Synonym Symbols	HH19; MKP3; PYST1
NCBI Protein Information	dual specificity protein phosphatase 6
UniProt Protein Name	Dual specificity protein phosphatase 6
UniProt Gene Name	DUSP6
UniProt Synonym Gene Names	MKP3; PYST1; MAP kinase phosphatase 3; MKP-3
UniProt Entry Name	DUS6_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.