

Human DUSP10 (Dual Specificity Phosphatase 10) ELISA Kit | DUSP10 elisa kit

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CATALOG #
AAA277896

REACTIVITY
Human

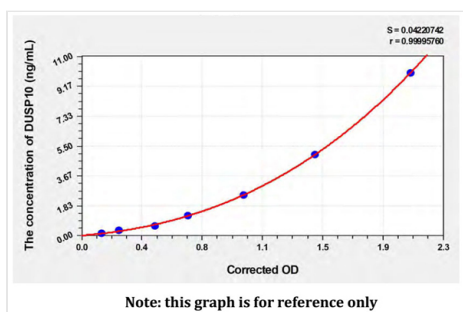
PRODUCT SYNONYMS

DUSP10 (Dual Specificity Phosphatase 10); Human DUSP10 (Dual Specificity Phosphatase 10) ELISA Kit; DUS10; DUSP10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human DUSP10. No significant cross-reactivity or interference between Human DUSP10 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.061 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DUSP10 elisa kit

Principle of the Assay: 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 Human DUSP10. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human DUSP10. 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 Human DUSP10, 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 Human DUSP10 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005812
NCBI GeneID	11221
NCBI Accession #	NP_009138.1
NCBI GenBank Nucleotide #	NM_007207.4
UniProt Accession #	Q9Y6W6; Q6GSI4; Q9H9Z5; D3DTB4
Molecular Weight	52,642 Da
NCBI Official Full Name	dual specificity protein phosphatase 10 isoform a
NCBI Official Synonym Full Names	dual specificity phosphatase 10
NCBI Official Symbol	DUSP10
NCBI Official Synonym Symbols	MKP5; MKP-5
NCBI Protein Information	dual specificity protein phosphatase 10; map kinase phosphatase 5; dual specificity phosphatase MKP-5; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 5
UniProt Protein Name	Dual specificity protein phosphatase 10
UniProt Gene Name	DUSP10
UniProt Synonym Gene Names	MKP5; MAP kinase phosphatase 5; MKP-5
UniProt Entry Name	DUS10_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/dusp10-dual-specificity-phosphatase-10/277896>