

Human Osterix (OSX) ELISA Kit | OSX elisa kit

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CATALOG #
AAA68199

REACTIVITY
Human

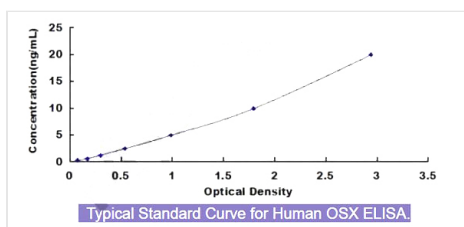
PRODUCT SYNONYMS

Osterix (OSX); Human Osterix (OSX) ELISA Kit; OSX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of OSX. No significant cross-reactivity or interference between OSX and analogues was observed.
Sequence Length	413
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.125ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level OSX were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level OSX were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OSX elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to OSX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to OSX. 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 OSX, 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 OSX in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of OSX in human tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	291045138
NCBI GeneID	121340
NCBI Accession #	NP_001166938.1
NCBI GenBank Nucleotide #	NM_001173467.2
UniProt Accession #	Q8TDD2; Q3MJ72; Q7Z718; B3KY26
Molecular Weight	43,092 Da
NCBI Official Full Name	transcription factor Sp7 isoform a
NCBI Official Synonym Full Names	Sp7 transcription factor
NCBI Official Symbol	SP7
NCBI Official Synonym Symbols	OSX; OI11; OI12; osterix
NCBI Protein Information	transcription factor Sp7
UniProt Protein Name	Transcription factor Sp7
UniProt Gene Name	SP7
UniProt Synonym Gene Names	OSX

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.