

Human OSX (Osterix) ELISA Kit | OSX elisa kit

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CATALOG #
AAA248194

REACTIVITY
Human

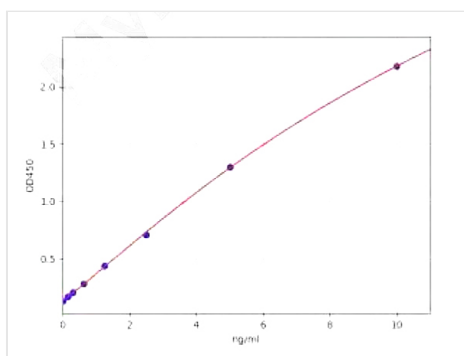
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize OSX, no obvious cross reaction with other analogues
Sequence Length	431
Assay Type	Sandwich
Samples	Cell lysates, tissue homogenates and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OSX elisa kit	Background: Osterix (OSX) is a zinc finger-containing transcriptional activator that is distinctly expressed in all developing bones and is important for osteoblast differentiation. In particular, OSX is implicated in the differentiation of osteo-blasts, which are the specialized cells of bone formation. OSX is a nuclear protein that binds to GC box promoters elements and activates mRNA synthesis from genes containing functional recognition sites. Cox-2 deficiency correlates with a decrease in OSX expression, suggesting that Cox-2 may induce OSX to mediate skeletal repair. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti OSX antibody was pre-coated onto the 96-well plate. The biotin conjugated anti OSX antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with OSX conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of OSX in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19071562
Molecular Weight	43,092 Da
NCBI Official Full Name	osterix
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/osx-osterix/248194>