

Human OSTN (Osteocrin) ELISA Kit | OSTN elisa kit

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CATALOG #
AAA248809

REACTIVITY
Human

PRODUCT SYNONYMS

OSTN (Osteocrin); Human OSTN (Osteocrin) ELISA Kit; OSTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of OSTN. No significant cross-reactivity or interference between OSTN and analogues was observed.
Sequence Length	133
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level OSTN were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level OSTN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
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

Typical Data & Standard Curve									
Results of a typical standard run of a OSTN ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A not applicable)									
X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.002	0.071	0.113	0.243	0.513	0.995	1.925	2.902

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OSTN elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-OSTN antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-OSTN antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the OSTN amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of OSTN can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47117104
NCBI GeneID	344901
UniProt Accession #	P61366; A1A4U3
Molecular Weight	14,722 Da
NCBI Official Full Name	Osteocrin
NCBI Official Synonym Full Names	osteocrin
NCBI Official Symbol	OSTN
NCBI Official Synonym Symbols	MUSCLIN
NCBI Protein Information	osteocrin
UniProt Protein Name	Osteocrin
UniProt Gene Name	OSTN

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/ostn-osteocrin/248809>