

Bovine Osteocalcin ELISA Kit | OC elisa kit

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CATALOG #
AAA87946

REACTIVITY
Bovine

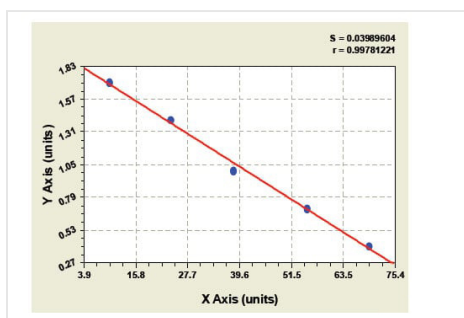
PRODUCT SYNONYMS

Osteocalcin; Bovine Osteocalcin ELISA Kit; OC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This OC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine OC. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OC elisa kit

Principle of the assay: OC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-OC antibody and an OC-HRP conjugate. The assay sample and buffer are incubated together with OC-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the OC concentration since OC from samples and OC-HRP conjugate compete for the anti-OC antibody binding site. Since the number of sites is limited, as more sites are occupied by OC from the sample, fewer sites are left to bind OC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OC concentration in each sample is interpolated from this standard curve.

Product Categories/Family for OC elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	40316933
NCBI GeneID	632
NCBI Accession #	NP_954642.1
NCBI GenBank Nucleotide #	NM_199173.4
Molecular Weight	10,963 Da
NCBI Official Full Name	osteocalcin preproprotein
NCBI Official Synonym Full Names	bone gamma-carboxyglutamate (gla) protein
NCBI Official Symbol	BGLAP
NCBI Official Synonym Symbols	OC; BGP; OCN
NCBI Protein Information	osteocalcin; bone Gla protein; gamma-carboxyglutamic acid-containing protein; bone gamma-carboxyglutamate (gla) protein (osteocalcin)
UniProt Protein Name	Osteocalcin
UniProt Gene Name	BGLAP
UniProt Synonym Gene Names	BGP
UniProt Entry Name	OSTCN_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.

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Online datasheet: <https://stage.aaabiotech.com/oc-bovine-ovine-elisa-kits/osteocalcin/87946>