

Chicken Osteocalcin ELISA Kit | BGLAP elisa kit

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CATALOG #
AAA191123

REACTIVITY
Chicken

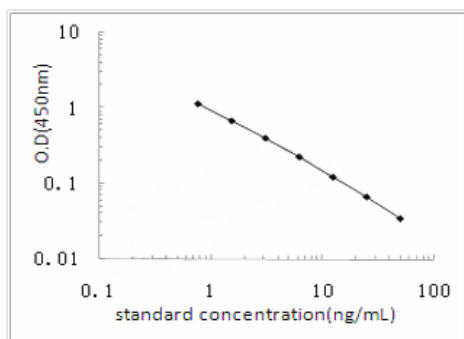
PRODUCT SYNONYMS

Osteocalcin; Chicken Osteocalcin ELISA Kit; Bone Gla protein; BGP; Gamma-carboxyglutamic acid-containing protein; BGLAP; BGLAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay recognizes recombinant and natural Chicken Osteocalcin. No significant cross-reactivity or interference was observed.
Sequence Length	97
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Assay Type	Competitive (Quantitative)
Detection Range	0.78-50.0 ng/mL.
Sensitivity	0.23 ng/mL.
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BGLAP elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of chicken Osteocalcin concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids. Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Osteocalcin. During the reaction, Osteocalcin in the sample or standard competes with a fixed amount of biotin-labeled Osteocalcin for sites on a pre-coated Monoclonal antibody specific to Osteocalcin. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Osteocalcin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46195457
NCBI GeneID	396348
NCBI Accession #	NP_990718.1
NCBI GenBank Nucleotide #	NM_205387.1
UniProt Accession #	P02822; Q90620
Molecular Weight	10,707 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	BGP
NCBI Protein Information	osteocalcin
UniProt Protein Name	Osteocalcin
UniProt Gene Name	BGLAP
UniProt Synonym Gene Names	BGP
UniProt Entry Name	OSTCN_CHICK

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.