

Rat Carboxylated Osteocalcin ELISA Kit | cOC elisa kit

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CATALOG #
AAA94036

REACTIVITY
Rat

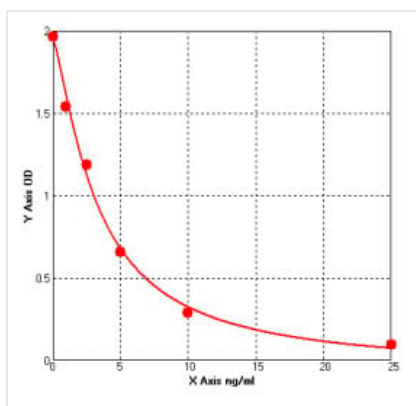
PRODUCT SYNONYMS

Carboxylated Osteocalcin; Rat Carboxylated Osteocalcin ELISA Kit; cOC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of COC. No significant cross-reactivity or interference between COC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COC and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This carboxylated-OC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat carboxylated-OC. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cOC elisa kit	Principle of the Assay: COC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COC antibody and an COC-HRP conjugate. The assay sample and buffer are incubated together with COC-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 COC concentration since COC from samples and COC-HRP conjugate compete for the anti-COC antibody binding site. Since the number of sites is limited, as more sites are occupied by COC from the sample, fewer sites are left to bind COC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COC concentration in each sample is interpolated from this standard curve. Intended Uses: This COC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat COC. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6223673
NCBI Official Full Name	osteocalcin, partial

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/coc-rat-elisa-kits/carboxylated-osteocalcin/94036>