

Human Beta-Crosslaps ELISA Kit | bCTx elisa kit

Human Beta-Crosslaps (bCTx) (Competitive ELISA) Mini sample ELISA Kit

CATALOG #
AAA189970

REACTIVITY
Human

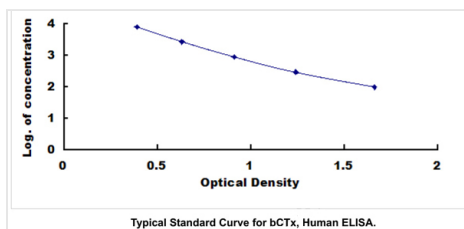
PRODUCT SYNONYMS

Beta-Crosslaps; Human Beta-Crosslaps (bCTx) (Competitive ELISA) Mini sample ELISA Kit; b-CTx; bCTXI; bCTX-I; B-Cr; BCL; Type I Collagen C-Telopeptide-Related Fraction; Mini Samples ELISA Kit for Beta-Crosslaps (bCTx); bCTx elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of bCTx. No significant cross-reactivity or interference between bCTx and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	98.77-8,000pg/mL
Sensitivity	< 33.42pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level bCTx were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level bCTx were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for bCTx elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to bCTx has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled bCTx and unlabeled bCTx (Standards or samples) with the pre-coated antibody specific to bCTx. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of bCTx in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of bCTx in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of bCTx in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for bCTx elisa kit	Bone metabolism

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/bctx-human-elisa-kits/beta-crosslaps/189970>