

Rat Betacellulin ELISA Kit | bTC elisa kit

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CATALOG #
AAA86937

REACTIVITY
Rat

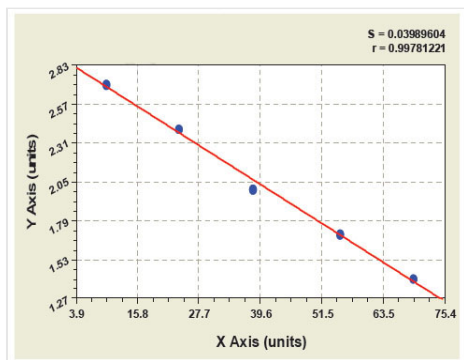
PRODUCT SYNONYMS

Betacellulin; Rat Betacellulin ELISA Kit; bTC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1 ng/ml
Intended Uses	This bTC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat bTC. 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 bTC elisa kit

Principle of the Assay: bTC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-bTC antibody and an bTC-HRP conjugate. The assay sample and buffer are incubated together with bTC-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 bTC concentration since bTC from samples and bTC-HRP conjugate compete for the anti-bTC antibody binding site. Since the number of sites is limited, as more sites are occupied by bTC from the sample, fewer sites are left to bind bTC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The bTC concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	265786
NCBI GeneID	685
Molecular Weight	19,746 Da
NCBI Official Full Name	betacellulin
NCBI Official Synonym Full Names	betacellulin
NCBI Official Symbol	BTC
NCBI Protein Information	probetacellulin
UniProt Protein Name	Probetacellulin
UniProt Gene Name	BTC
UniProt Synonym Gene Names	BTC
UniProt Entry Name	BTC_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/btc-rat-elisa-kits/betacellulin/86937>