

Rat Probetacellulin ELISA Kit | BTC elisa kit

Rat Probetacellulin ELISA Kit

CATALOG # AAA261773	REACTIVITY Rat	APPLICATIONS ELISA
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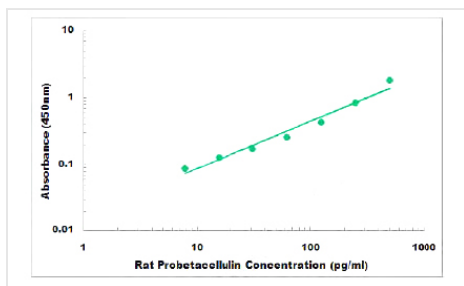
PRODUCT SYNONYMS

Probetacellulin; Rat Probetacellulin ELISA Kit; BTC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat Probetacellulin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat Probetacellulin proteins within the range of 7.8 pg/ml - 500 pg/ml.
Sequence Length	177
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for BTC elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BTC elisa kit	Principle of the Assay The Rat Probetacellulin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat Probetacellulin in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat Probetacellulin coated on a 96-well plate. Standards and samples are pipetted into the wells and Probetacellulin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat Probetacellulin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Probetacellulin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Betacellulin, also known as BTC is a protein that in humans is encoded by the BTC gene. This gene is mapped to 4q13.3. The protein encoded by this gene is a member of the EGF family of growth factors. It is synthesized primarily as a transmembrane precursor, which is then processed to mature molecule by proteolytic events. This protein is a ligand for the EGF receptor. It is the growth factor that binds to EGFR, ERBB4 and other EGF receptor family members. This protein is a potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81917512
UniProt Accession #	Q9JJM4; F1LPG4
Molecular Weight	19,579 Da
NCBI Official Full Name	Betacellulin
UniProt Protein Name	Betacellulin
UniProt Gene Name	Btc
UniProt Entry Name	Q9JJM4_RAT

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://www.aaabiotech.com/btc-rat-elisa-kits/probetacellulin/261773>