

Mouse Betacellulin/BTC ELISA Kit | BTC elisa kit

Mouse Betacellulin/BTC PicoKine ELISA Kit

CATALOG #
AAA45916

REACTIVITY
Mouse

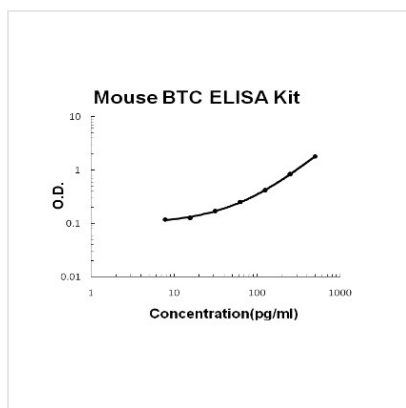
PRODUCT SYNONYMS

Betacellulin/BTC; Mouse Betacellulin/BTC PicoKine ELISA Kit; Probetacellulin; betacellulin; Betacellulin precursor; BTC; BTC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse BTC
Sequence Length	177
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	7.8pg/ml-500pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Betacellulin/BTC PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for BTC elisa kit	Principle of the assay: mouse BTC ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for BTC has been precoated onto 96-well plates. Standards(E.coli, D32-Y111) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for BTC is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse BTC amount of sample captured in plate. Background: 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 #	461654
NCBI GeneID	12223
UniProt Accession #	Q05928
Molecular Weight	19,664 Da
NCBI Official Full Name	Probetacellulin
NCBI Official Synonym Full Names	betacellulin, epidermal growth factor family member
NCBI Official Symbol	Btc
NCBI Official Synonym Symbols	Bcn
NCBI Protein Information	betacellulin; probetacellulin
UniProt Protein Name	Probetacellulin
UniProt Gene Name	Btc
UniProt Synonym Gene Names	Bcn; BTC
UniProt Entry Name	BTC_MOUSE

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.