

# **Product datasheet**

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# ARG81876 Rat BTC / Betacellulin ELISA Kit

Package: 96 wells Store at: 4°C

## Component

Cat. No.	Component Name	Package	Temp
ARG81876-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81876-002	Standard	2 X 10 ng/vial	4°C
ARG81876-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81876-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81876-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81876-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81876-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81876-008	25X Wash buffer	20 ml	4°C
ARG81876-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81876-010	STOP solution	10 ml (Ready to use)	4°C
ARG81876-011	Plate sealer	4 strips	Room temperature

### **Summary**

Product Description	ARG81876 Rat BTC / Betacellulin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Ra	ıt

 $\ensuremath{\mathsf{BTC}}$  /  $\ensuremath{\mathsf{Betacellulin}}$  in serum, plasma (heparin, EDTA) and cell culture supernatants.

Tested Reactivity Rat

Tested Application ELISA

**Specificity** There is no detectable cross-reactivity with other relevant proteins.

Target Name BTC / Betacellulin

Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

Sensitivity 3.9 pg/ml

Sample Type Serum, plasma (heparin, EDTA) and cell culture supernatants.

Standard Range 7.8 - 500 pg/ml

Sample Volume  $100 \ \mu l$ 

Precision Intra-Assay CV: 5.4%; Inter-Assay CV: 6.6%

Alternate Names Probetacellulin: BTC

# **Application Instructions**

Assay Time ~ 5 hours

### **Properties**

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test

reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual

for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol BTC

Gene Full Name betacellulin

Background 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. [provided by RefSeq, Jul 2008]

Function Growth factor that binds to EGFR, ERBB4 and other EGF receptor family members. Potent mitogen for

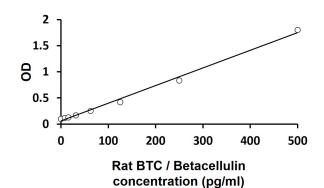
retinal pigment epithelial cells and vascular smooth muscle cells. [UniProt]

Highlight Related products:

<u>Betacellulin antibodies;</u> <u>Betacellulin ELISA Kits;</u>

New ELISA data calculation tool:
Simplify the ELISA analysis by GainData

#### **Images**



#### ARG81876 Rat BTC / Betacellulin ELISA Kit standard curve image

ARG81876 Rat BTC / Betacellulin ELISA Kit results of a typical standard run with optical density reading at 450 nm.