

## Anti-beta-hCG Purified CGB3 Monoclonal Antibody

Catalog Number: M13820

### About CGB

Choriogonadotropin (hCG) is a protein of the molecular weight about 40 kDa. It belongs to the glycoprotein hormone family together with lutropin (LH), follitropin (FSH) and thyrotropin (TSH). Choriogonadotropin is synthesised by trophoblastic cells of the placenta during pregnancy and stimulates the growth of corpus luteum. The other hormones are produced by anterior pituitary gland. All these hormones are structurally related, being composed of two noncovalently associated subunits alpha and beta.

### Overview

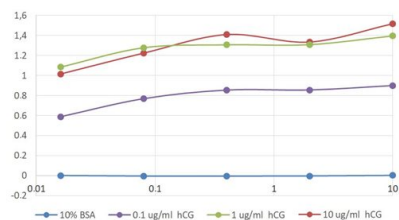
Product Name	Anti-beta-hCG Purified CGB3 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-beta-hCG Purified CGB3 Monoclonal Antibody (Catalog# M13820). Tested in ICC, ELISA application(s). This antibody reacts with Human.
Application	ELISA, ICC
Clonality	Monoclonal HCG-61
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P0DN86

### Technical Details

Immunogen	Human chorionic gonadotropin. The antibody HCG-61 reacts with beta-subunit of human chorionic gonadotropin, a 40 kDa hormone. hCG belongs to the glycoprotein hormone family together with lutropin (LH), follitropin (FSH) and thyrotropin (TSH). hCG is synthesised by trophoblastic cells of the placenta during pregnancy and stimulates the growth of corpus luteum. The HCG-61 antibody reacts with association constant $5.1 \times 10^{10}$ l/mol.
Predicted Reactive Species	Primate
Cross Reactivity	Following cross-reactivity (%) was determined by classic double-antibody RIA using unlabelled hormones: beta-hCG (77), alpha-hCG (1.3), hLH (0.86), hFSH (< 0.5), hTSH (< 0.5).
Isotype	Mouse IgG2b
Form	Liquid
Concentration	1 mg/ml

Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Immunocytochemistry: 10 ug/ml; cell culture fixed with 4% paraformaldehyde, permeabilized with 0.1% Triton-X100. Western blotting: 1 ug/ml; positive control: murine brain lysate (red. Laemmli buffer).

## Anti-beta-hCG Purified CGB3 Monoclonal Antibody (M13820) Images



ELISA analysis of hCG (0.1 - 10 ug/ml) using mouse monoclonal antibody HCG-61 (0.016 - 10 ug/ml).

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