

Product datasheet for **BM290**

hCG beta (CGB3) Mouse Monoclonal Antibody [Clone ID: BIO-BCG-005]

Product data:

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|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Primary Antibodies |
| Clone Name: | BIO-BCG-005 |
| Applications: | ELISA, R |
| Recommended Dilution: | Radioimmunoassays. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Chorionic Gonadotropin Beta subunit. Spleen cells from immunised BALB/c mice were fused with cells of the P3X63-Ag 8.653 myeloma cell line. |
| Specificity: | This antibody recognises the beta subunit of chorionic gonadotrophin (hCG) and shows 0.5% crossreactivity with the intact hCG molecule. Negligible reactivity has been observed with hLH, hTSH and hFSH. |
| Formulation: | PBS, pH 7.2 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG |
| Concentration: | lot specific |
| Purification: | Ion exchange chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | chorionic gonadotropin beta subunit 3 |
| Database Link: | Entrez Gene 1082 Human P0DN86 |



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Background:

hCG is a peptide hormone that is composed of one alpha and one beta subunit. hCG shares a common alpha chain with the pituitary hormones FSH, TSH and LH, but has a unique beta chain which is recognised by this antibody. hCG is secreted by placental syncytiotrophoblasts and stimulates the ovaries to produce steroids that are essential to pregnancy.

Synonyms:

Choriogonadotropin subunit beta, CGB, CGB3, beta hCG, hCG-beta