

Product datasheet for **SM2188P**

hCG beta (CGB3) (beta 7 epitope) Mouse Monoclonal Antibody [Clone ID: INN-hCG-68]

Product data:

Product Type:	Primary Antibodies
Clone Name:	INN-hCG-68
Applications:	ELISA, R, WB
Recommended Dilution:	ELISA. Western Blot: Clone INN-hCG-68 recognizes hCG (Beta 7 epitope) under <i>non-reducing conditions</i> , See <i>Ben-Menahem, D.et al.</i> for details. Radioimmunoassays.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes free Human Chorionic Gonadotrophin beta (hCG beta), but does not bind to holo-hGG, holo-hLH or free hLH beta. This antibody recognizes the beta 7 epitope on hCG beta.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store 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:

Human chorionic gonadotropin (hCG) is a glycoprotein hormone produced by trophoblastic cells of the placenta beginning 10 to 12 days after conception. Maintenance of the fetus in the first trimester of pregnancy requires the production of hCG, which binds to the corpus luteum of the ovary which is stimulated to produce progesterone which in turn maintains the secretory endometrium. The beta subunit of chorionic gonadotropin (CG) is encoded by 6 highly homologous genes which are arranged in tandem and inverted pairs on chromosome 19q13.3, and contiguous with the luteinizing hormone beta subunit gene.

Synonyms:

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