

Product datasheet for **AM00904PU-N**

hCG beta (CGB3) Mouse Monoclonal Antibody [Clone ID: 094-10627]

Product data:

Product Type:	Primary Antibodies
Clone Name:	094-10627
Applications:	ELISA
Recommended Dilution:	ELISA as a detection antibody. <u>Recommended antibody pair for Sandwich Immunoassay:</u> Capture: AM00905PU-N (clone 057-10043) Detection: AM00904PU-N (clone 094-10627).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	hCG isolated from Human Pregnancy Urine.
Specificity:	This antibody reacts with Chorionic Gonadotropin, beta subunit. Cross-reactivity to LH: 0.5%
Formulation:	10mM Phosphate, pH 7.4, 150mM Sodium Chloride and 0.09% containing Sodium Azide as preservative. State: Purified State: Liquid (0.2um filtered) purified Ig fraction (>90% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one week or (in aliquots) at -40°C for longer. If aliquot for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	chorionic gonadotropin beta subunit 3



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Database Link: [Entrez Gene 1082 Human](#)
[P0DN86](#)

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 unique beta chain confers biological specificity to thyrotropin, lutropin, follitropin and gonadotropin. hCG acts to maintain the corpus luteum until the developing placenta is able to produce the required levels of oestrogen and progesterone.

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