

Product datasheet for **AM00905PU-N**

hCG beta (CGB3) Mouse Monoclonal Antibody [Clone ID: 057-10043]

Product data:

Product Type:	Primary Antibodies
Clone Name:	057-10043
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	hCG isolated from Human pregnancy urine
Specificity:	When tested by ELISA, this antibody is specific for intact-hCG and its beta subunit. Does not cross react with hCG alpha subunit.
Formulation:	10mM Sodium phosphate, pH 7.4 containing 150mM Sodium chloride and 0.05% Sodium azide State: Purified State: Liquid purified Ig (0.2µm filtered)
Concentration:	lot specific
Purification:	>90% pure (SDS-PAGE). Protein A chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -40°C. If aliquoted 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
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 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