

AM00906PU-N**Monoclonal Antibody to Chorionic Gonadotropin (hCG) - Purified**

Alternate names:	CGB, CGB3, Choriogonadotropin subunit beta, beta hCG, hCG-beta
Quantity:	1 mg
Concentration:	5.4mg/ml (OD280nm, E0.1% = 1.4)
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.
Uniprot ID:	P01233
NCBI:	NP_000728.1
GeneID:	1082
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	057-10025
Immunogen:	hCG isolated from Human pregnancy urine
Format:	State: Liquid purified Ig (0.2µm filtered) Purification: >90% pure (SDS-PAGE). Protein A chromatography Buffer System: 10mM Phosphate, pH 7.4 containing 150mM Sodium Chloride and 0,09% sodium azide
Applications:	ELISA: Use this Antibody as a Capture Antibody and AM00907PU-N as a Detection Antibody. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for intact hCG and its beta subunit. Does not cross react with hCG alpha subunit. Species: Human. Other species not tested. Affinity Constant: 1 x 10 ¹⁰ L/m
Storage:	Store the antibody undiluted at 2-8°C for one week or (in aliquots) at -40°C for longer. 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. Shelf life: one year from despatch.