

Product datasheet for **AM10022PU-S**

hCG beta (CGB3) Mouse Monoclonal Antibody [Clone ID: HCG205]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HCG205
Applications:	IHC
Recommended Dilution:	Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears) For IHC dilute concentrated antibody at 1/50-1/100, use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature. Antigen retriever like citrate enhances the staining of FFPE tissue sections (Boil tissue in 10 mM citrate, pH 6.0 for 10-15 minutes followed by cooling for 10-15 minutes at RT. Recommended Positive Control: Human placenta, choriocarcinoma.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified beta hCG.
Specificity:	This antibody recognises Human Chorionic Gonadotropin (hCG). Cellular Localization: Cytoplasmic.
Formulation:	PBS, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
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:

Human chorionic gonadotropin (hCG) is a oligosaccharide glycopeptide hormone (244 aa) produced in pregnancy that is made by the embryo soon after conception and later by the syncytiotrophoblast (part of the placenta). Its role is to prevent the disintegration of the corpus luteum of the ovary and thereby maintain progesterone production that is critical for a pregnancy in humans. hCG may have additional functions; for instance, it is thought that hCG affects the immune tolerance of the pregnancy. Early pregnancy testing, in general, is based on the detection or measurement of hCG. HCG is composed of two non-identical, non-covalently linked polypeptide chains as α and β -subunits. The α subunit of hCG is nearly identical to that of thyroid stimulating (TSH), FSH, and LH. A germ cell tumor which is + for Cytokeratin, PLAP, and hCG but negative for EMA and alpha fetoprotein is probably choriocarcinoma

Synonyms:

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