

## Product datasheet for **AM09303HR-N**

### **hCG beta (CGB3) Mouse Monoclonal Antibody [Clone ID: HCG-2]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	HCG-2
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> This HRP conjugated antibody can be used as tracer in Sandwich ELISA with our matched anti-HCG antibody [mouse anti human HCG monoclonal antibody, Cat.-No AM09302PU-N. <i>Suggested Working Dilution: 1/1000.</i>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human Chorionic Gonadotropin.
Specificity:	This antibody is reactive to Chorionic Gonadotropin beta subunit (hCG-beta).
Formulation:	0.01M PBS, pH 7.2 with 50% Glycerol Label: HRP State: Liquid purified IgG fraction
Purification:	Affinity Chromatography on Protein G
Conjugation:	HRP
Storage:	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	chorionic gonadotropin beta subunit 3
Database Link:	<a href="#">Entrez Gene 1082 Human</a> <a href="#">PODN86</a>



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**Background:**

Human chorionic gonadotropin (hCG) is a glycoprotein hormone produced by placenta after conception. hCG is comprised of a  $\alpha$  subunit with 92 amino acids and a  $\beta$  subunit with 245 amino acids. The  $\alpha$  subunit is identical to that of LH (Luteinizing hormone), FSH (Follicle-stimulating hormone) and TSH (Thyroid-stimulating hormone). hCG sustains corpus luteum, stimulates progesterone secretion, hence is critical to early foetus development. It has also been reported that hCG plays a role in the development of foetus's tolerance to maternal immunity. hCG is the most sensitive biomarker for pregnancy.

**Synonyms:**

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