

## Product datasheet for **SM2162P**

### **hCG beta (CGB3) (beta 1 epitope) Mouse Monoclonal Antibody [Clone ID: INN-hCG-2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	INN-hCG-2
<b>Applications:</b>	ELISA, R
<b>Recommended Dilution:</b>	ELISA. Radioimmunoassay.
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	hCG. Spleen cells from an immunised BALB/c mouse were fused with the mouse P3-NS1/1 - Ag 4.1 myeloma cell line.
<b>Specificity:</b>	This antibody recognises the beta 1 epitope on chorionic gonadotrophin (hCG). Clone INN-hCG-2 is reactive with hCG, hCGbeta, hCGbetacf (fragment), hCGn (nicked), hCGbetan, and CTPhCG. No cross reaction is observed with hLH, hLHbeta, hFSH, hTSH, or the glycoprotein hormone alpha chains. This product is routinely tested in sandwich immunoassays for assembled and non-assembled hCGbeta and derivatives.
<b>Formulation:</b>	State: Purified State: Liquid purified IgG containing 0.09% Sodium Azide
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity chromatography on Protein A
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	chorionic gonadotropin beta subunit 3
<b>Database Link:</b>	<a href="#">Entrez Gene 1082 Human</a> <a href="#">P0DN86</a>



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**Background:**

Chorionic gonadotrophin is a member of the glycoprotein hormone family that is synthesized by the placenta throughout pregnancy. The glycoprotein hormone family has 4 members, the other three being luteinising hormone (LH), follicle stimulating hormone (FSH) and thyroid stimulating hormone (TSH). All consist of two subunits, alpha and beta. The alpha subunit is highly homologous between family members.

**Synonyms:**

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