

Product datasheet for **AM00909PU-N**

hCG beta (CGB3) Mouse Monoclonal Antibody [Clone ID: BDI585]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BDI585
Applications:	LF
Recommended Dilution:	Lateral flow immunoassay.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified hCG beta
Specificity:	This antibody reacts to Chorionic Gonadotropin (hCG) beta subunit. Cross-reactivity: (tested as an antibody pair with a MAb to hCG alpha in a sandwich immunoassay to detect intact hCG) beta hCG: 1% Intact hCG: 100% LH: 2% FSH: 1% TSH: 1%
Formulation:	0.05M PBS, pH 7.4 containing 0,09% sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	>95% pure (SDS-PAGE). DEAE chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	chorionic gonadotropin beta subunit 3



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Database Link: [Entrez Gene 1082 Human](#)
[P0DN86](#)

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