

AM00909PU-N**Monoclonal Antibody to Chorionic Gonadotropin (hCG) - Purified**

Alternate names:	CGB, CGB3, Choriogonadotropin subunit beta, beta hCG, hCG-beta
Quantity:	1 mg
Concentration:	7.9mg/ml
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:	BDI585
Immunogen:	Purified hCG beta
Format:	State: Liquid purified Ig Purification: >95% pure (SDS-PAGE). DEAE chromatography Buffer System: 0.05M PBS, pH 7.4 containing 0,09% sodium azide
Applications:	Lateral flow immunoassay. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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% Species: Human. Other species not tested. Affinity Constant: 2 x 10e10

Storage:

Store the antibody undiluted at 2-8°C.
DO NOT FREEZE!
Shelf life: one year from despatch.