

Datasheet for ABIN120021
anti-hCG antibody (Domain beta 4)



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Overview

Quantity:	0.5 mg
Target:	hCG
Binding Specificity:	Domain beta 4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This hCG antibody is un-conjugated
Application:	Radioimmunoassay (RIA), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human CG. Spleen cells from immunised mice were fused with cells of the NS1/1-Ag4.1 mouse myeloma cell line.
Clone:	INN-hCG-24
Isotype:	IgG1
Specificity:	This antibody is a high affinity antibody recognising the beta 4 epitope on the hCG. It may be used in combination with INN-hCG2, 32 and 45.
Purification:	Ion exchange chromatography

Target Details

Target:	hCG
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Target Details

Abstract:	hCG Products
Target Type:	Hormone
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. hCG is present only in trace amounts in non pregnant urine and sera. It rises sharply during pregnancy. HCG is composed of two non identical, non covalently linked polypeptide chains designated as the a and b subunits. The a subunit of HCG is nearly identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH) and luteinizing hormone (LH). A germ cell tumor which is positive for cytokeratin, placental alkaline phosphatase (PLAP) and HCG but negative for EMA and AFP is probably a choriocarcinoma. Synonyms: CGB, CGB3, Choriogonadotropin subunit beta, beta hCG, hCG-beta
Gene ID:	1082
NCBI Accession:	NP_000728
UniProt:	P01233

Application Details

Application Notes:	ELISA. Radioimmunoassay. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.