

Datasheet for ABIN238414 **anti-hCG antibody**



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Overview

Quantity:	0.1 mg
Target:	hCG
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This hCG antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA), Immunofluorescence (IF)

Product Details

Immunogen:	Human chorionic gonadotropin.
Clone:	HCG-61
Isotype:	IgG2b
Specificity:	The antibody HCG-61 reacts with beta-subunit of human chorionic gonadotropin, a 40 kDa hormone. hCG belongs to the glycoprotein hormone family together with lutropin (LH), follitropin (FSH) and thyrotropin (TSH). hCG is synthesised by trophoblastic cells of the placenta during pregnancy and stimulates the growth of corpus luteum. The HCG-61 antibody reacts with association constant 5.1×10^{10} l/mol. Following cross-reactivity (%) was determined by classic double-antibody RIA using unlabelled hormones: beta-hCG (77), alpha-hCG (1.3), hLH (0.86), hFSH (< 0.5), hTSH (< 0.5).
Characteristics:	Synonyms: Choriogonadotropin subunit beta, CGB, CGB3, beta hCG, hCG-beta
Purification:	Protein A affinity chromatography.

Target Details

Target:	hCG
Abstract:	hCG Products
Target Type:	Hormone
Background:	HCG is a protein of the molecular weight about 40 kDa. hCG belongs to the glycoprotein hormone family together with lutropin (LH), follitropin (FSH) and thyrotropin (TSH). hCG is synthesised by trophoblastic cells of the placenta during pregnancy and stimulates the growth of corpus luteum. The other hormones are produced by anterior pituitary gland. All these hormones are structurally related being composed of two noncovalently associated subunits α and β. Synonyms: CGB, CGB3, Choriogonadotropin subunit beta, beta hCG, hCG-beta
Gene ID:	1082
UniProt:	P01233

Application Details

Application Notes:	Suitable for Immunocytochemistry and ELISA. 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, pH 7.4 15 mM sodium azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months