

## Datasheet for ABIN94263 **anti-HCG beta antibody**



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### Overview

Quantity:	100 µg
Target:	HCG beta
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HCG beta antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC)

### Product Details

Purpose:	Anti-beta-hCG Purified
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 $5.1 \times 10^{10}$ 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).
Cross-Reactivity (Details):	Human

## Product Details

Purification: Purified by protein-A affinity chromatography.

Purity: > 95 % (by SDS-PAGE)

## Target Details

Target: HCG beta

Alternative Name: beta-hCG ([HCG beta Products](#))

Background: Chorionic gonadotropin subunit beta,Choriogonadotropin (hCG) is a protein of the molecular weight about 40 kDa. It belongs to the glycoprotein hormone family together with lutropin (LH), follitropin (FSH) and thyrotropin (TSH). Choriogonadotropin 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 alpha and beta.,Choriogonadotropin beta, CG-beta

Gene ID: 93659

UniProt: [P0DN86](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Concentration: 1 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM 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: **Do not freeze.**

Storage: 4 °C

Storage Comment: Store at 2-8°C. Do not freeze.