

## ARG10239 anti-hCG beta antibody [28A4]

Package: 500 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [28A4] recognizes hCG beta
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Clone 28A4 specifically recognize beta subunit of hCG. Clone 28A4 is not cross-reacting with hLH, hTSH and hFSH.
Host	Mouse
Clonality	Monoclonal
Clone	28A4
Isotype	IgG2a
Target Name	hCG beta
Species	Human
Immunogen	Recombinant full length human protein
Conjugation	Un-conjugated
Alternate Names	hCGB; CGB5; CGB7; CGB3; Chorionic gonadotrophin chain beta; CGB8; CG-beta; Choriogonadotropin subunit beta

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent

**Application Note** ELISA: This antibody can be used as detection antibody in sandwich ELISA in combination with [ARG10238](#) anti-hCG beta antibody [27E8] as capture antibody.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Protein A affinity purified.
Buffer	10 mM Tris (pH 7.5), 0.15 M NaCl and 0.05% Sodium azide
Preservative	0.05% Sodium azide
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 1081 Human</a> <a href="#">Swiss-port # P01215 Human</a>
Gene Symbol	CGB
Gene Full Name	chorionic gonadotropin, beta polypeptide
Background	This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene. [provided by RefSeq, Jul 2008]
Function	Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. [UniProt]
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	18 kDa
Cellular Localization	Secreted. [UniProt]