ARG44797
anti-CG beta antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes CG beta
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	CG-Beta
Species	Human
Conjugation	Un-conjugated
Alternate Names	CGB3; Chorionic Gonadotropin Subunit Beta 3; CGB; Chorionic Gonadotropin, Beta Polypeptide; Chorionic Gonadotropin Beta Subunit 3; Choriogonadotropin Subunit Beta 3; Chorionic Gonadotropin Chain Beta; CG-Beta; Chorionic Gonadotropin Beta 3 Subunit; Chorionic Gonadotrophin Chain Beta; Chorionic Gonadotropin Beta Chain; Luteinizing Hormone Beta Subunit; Choriogonadotropin Subunit Beta; CGB5; CGB7; CGB8; HCGB; LHB

Application Instructions

Application table

Application	Dilution
ELISA	1:250 - 1:500
IHC-P	1:500

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
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.

Bioinformation

Gene Symbol	CGB3
Gene Full Name	Chorionic Gonadotropin Subunit Beta 3
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	Beta subunit of the human chorionic gonadotropin (hCG). hCG is a complex glycoprotein composed of two glycosylated subunits alpha and beta which are non-covalently associated. The alpha subunit is identical to those in the pituitary gonadotropin hormones (LH, FSH and TSH). The beta subunits are distinct in each of the hormones and confer receptor and biological specificity. Has an essential role in pregnancy and maternal adaptation. Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. [Uniprot]
PTM	Disulfide bond, Glycoprotein. [Uniprot]
Cellular Localization	Secreted. [Uniprot]