ARG23029
anti-hCG (beta 2 epitope) antibody [INN-hCG-22]

Package: 250 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [INN-hCG-22] recognizes hCG (beta 2 epitope) Mouse anti Human chorionic gonadotrophin antibody, clone INN-hCG-22 recognizes the beta subunit of human choriogonadotrophin (hCG), also known as chorionic gonadotrophin. hCGβ is a 165 amino acid ~18 kDa hormone involved in the stimulation of steroid production essential to the maintenance of pregnancy.Mouse anti Human chorionic gonadotrophin antibody, clone INN-hCG-22 shows a strong reaction in RIA with intact hCG and hCGβ and some reactivity with human luteinizing hormone (12%) and b-hLH (34%). No reaction with human follicle-stimulating hormone, thyroid-stimulating hormone , a-hCG or a-hLH.Affinity constant = 1.6 x 109m (Ka) .
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	INN-hCG-22
Isotype	IgG1
Target Name	hCG (beta 2 epitope)
Species	Human
Immunogen	hCG.
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	1:100 - 1:500
IHC-P	Assay-dependent
WB	Assay-dependent

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

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% Sodium azide
Preservative	0.09% Sodium azide

Concentration	1 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

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]
Calculated Mw	18 kDa
Cellular Localization	Secreted. [UniProt]