

ARG23250 anti-hCG (beta 1 epitope) antibody [INN-hCG-2]

Package: 250 µg

Store at: -20°C

Summary

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| Product Description | Mouse Monoclonal antibody [INN-hCG-2] recognizes hCG (beta 1 epitope) Mouse anti hCG antibody, clone INN-hCG-2 recognizes the beta 1 epitope on human chorionic gonadotrophin (hCG). Chorionic gonadotrophin is a member of the glycoprotein hormone family that is synthesized by the placenta throughout pregnancy. The glycoprotein hormone family has 4 members, the other three being luteinising hormone (LH), follicle stimulating hormone (FSH) and thyroid stimulating hormone (TSH). All consist of two subunits, alpha and beta. The alpha subunit is highly homologous between family members. Mouse anti hCG antibody, clone INN-hCG-2 is reactive with hCG, hCGbeta, hCGbetacf (fragment), hCGn (nicked), hCGbetan, and CTP-hCG. No cross reaction is observed with hLH, hLHbeta, hFSH, hTSH, or the glycoprotein hormone alpha chains. |
| Tested Reactivity | Hu |
| Tested Application | ELISA, IHC-P, RIA |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | INN-hCG-2 |
| Isotype | IgG1 |
| Target Name | hCG (beta 1 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 | Assay-dependent |
| | IHC-P | Assay-dependent |
| | RIA | Assay-dependent |

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

Properties

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

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|---------------------|--|
| 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

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|-----------------------|---|
| 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] |