



Product Information Sheet

Monoclonal Anti-Human Chorionic gonadotropin (β -subunit), β -HCG (Sephacose Bead Conjugate)

Catalogue No. MA1111-S

Immunogen

Purified human Chorionic Gonadotropin.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: HCG-8

Ig type: mouse IgG1

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Size: 200 μ l

Storage

Store at 4°C for frequent use.

Specificity

Human.

No cross reactivity with other proteins.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacose beads. It is useful for immunoprecipitation assays

Recommended application

Immunoprecipitation(IP)

BACKGROUND

β -HCG (β -Human Chorionic Gonadotropin), also termed as Chorionic Gonadotropin, Beta Chain (CGB). It is encoded by a multigene cluster composed of six homologous sequences. And in the family of beta-containing glycoprotein hormones, β -HCG is unique in that it contains an extension of 29 amino acids at its COOH end. β -HCG is mapped to 19q13.32 and expressed in trophoblast and various malignant tumors promotes cellular motility in vivo. β -HCG has a novel function in uterine adaptation to early pregnancy as well as in tumor development and underline the importance of HCG as an as yet unrecognized angiogenic factor.

REFERENCE

1. Bo, M.; Boime, I. : Identification of the transcriptionally active genes of the chorionic gonadotropin beta gene cluster in vivo. *J. Biol. Chem.* 267: 3179-3184, 1992.)
2. Policastro, P.; Ovitt, C. E.; Hoshina, M.; Fukuoka, H.; Boothby, M. R.; Biome, I. : The beta-subunit of human chorionic gonadotropin is encoded by multiple genes. *J. Biol. Chem.* 258: 11492-11499, 1983.
3. Zygmunt, M.; Herr, F.; Keller-Schoenwetter, S.; Kunzi-Rapp, K.; Munstedt, K.; Rao, C. V.; Lang, U.; Preissner, K. T. : Characterization of human chorionic gonadotropin as a novel angiogenic factor. *J. Clin. Endocr. Metab.* 87: 5290-5296, 2002.

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