

CGB monoclonal antibody, clone 5H4-E2

Catalog # MAB5644

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against CGB.
Immunogen	Immunized with human CGB, conjugated to various carrier proteins.
Host	Mouse
Reactivity	Human
Specificity	5H4-E2 is specific to the Beta chain of hCG. Since the Beta chain levels rise faster in urine, This anti body will detect hCG in urine as early as 1-3 days after successful (artificial) conception as opposed to alpha or dimer specific antibodies. In hCG producing tumors such as certain chorial, testicular, embryonic and lung carcinomas, the Beta chain is also produced in higher quantities than the alpha or dimeric chains.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay

Gene Info — CGB

Entrez GeneID	1082
Gene Name	CGB
Gene Alias	CGB3, hCGB
Gene Description	chorionic gonadotropin, beta polypeptide
Omim ID	118860
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	chorionic gonadotropin beta 3 subunit chorionic gonadotropin beta chain chorionic gonadotropin beta subunit

Disease

- [Abortion](#)
- [Genetic Predisposition to Disease](#)