

# CGB monoclonal antibody, clone 057-10043

Catalog # MAB4213

Size 1 mg

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native CGB.
<b>Immunogen</b>	Native purified CGB from human pregnancy urine.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Specificity</b>	When tested by ELISA, this antibody is specific to intact-hCG and its beta subunit. Does not cross react with hCG alpha subunit.
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1, kappa
<b>Recommend Usage</b>	The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 10 mM sodium phosphate buffer, pH 7.4 (150 mM NaCl, 0.05% sodium azide)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Sandwich ELISA

## Gene Info — CGB

Entrez GeneID	<a href="#">1082</a>
Gene Name	CGB
Gene Alias	CGB3, hCGB
Gene Description	chorionic gonadotropin, beta polypeptide
Omim ID	<a href="#">118860</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 sub unit 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

## Publication Reference

- [Quantitative, wide-range, 5-minute point-of-care immunoassay for total human chorionic gonadotropin in whole blood.](#)

von Lode P, Rainaho J, Pettersson K.

Clinical Chemistry 2004 Apr; 50(6):1026.

## Disease

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