

## Datasheet

### **CGB monoclonal antibody, clone 057-10043**

**Catalog Number:** MAB4213

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native CGB.

**Clone Name:** 057-10043

**Immunogen:** Native purified CGB from human pregnancy urine.

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, S-ELISA

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** When tested by ELISA, this antibody is specific to intact-hCG and its beta subunit. Does not cross react with hCG alpha subunit.

**Form:** Liquid

**Isotype:** IgG1, kappa

**Recommend Usage:** The optimal working dilution should be determined by the end user.

**Storage Buffer:** In 10 mM sodium phosphate buffer, pH 7.4 (150 mM NaCl, 0.05% sodium azide)

**Storage Instruction:** Store at -80°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 1082

**Gene Symbol:** CGB

**Gene Alias:** CGB3, hCGB

**Gene Summary:** 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]

#### **References:**

1. Quantitative, wide-range, 5-minute point-of-care immunoassay for total human chorionic gonadotropin in whole blood. von Lode P, Rainaho J, Pettersson K. Clin Chem. 2004 Jun;50(6):1026-35. Epub 2004 Apr 8.