

# CGB (Human) Cell-Based ELISA Kit

Catalog # KA2743

Size 1 Kit

## Specification

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | CGB (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of CGB expression in cultured cells. |
| <b>Suitable Sample</b>     | Attached Cell, Loosely Attached Cell, Suspension Cell                                                                                        |
| <b>Label</b>               | HRP-conjugated                                                                                                                               |
| <b>Detection Method</b>    | Colorimetric                                                                                                                                 |
| <b>Assay Type</b>          | Qualitative                                                                                                                                  |
| <b>Reactivity</b>          | Human                                                                                                                                        |
| <b>Regulation Status</b>   | For research use only (RUO)                                                                                                                  |
| <b>Storage Instruction</b> | Store the kit at 4°C.                                                                                                                        |

## Applications

- Qualitative

## Gene Info — CGB

|                           |                                          |
|---------------------------|------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">1082</a>                     |
| <b>Protein Accession#</b> | <a href="#">P01233</a>                   |
| <b>Gene Name</b>          | CGB                                      |
| <b>Gene Alias</b>         | CGB3, hCGB                               |
| <b>Gene Description</b>   | chorionic gonadotropin, beta polypeptide |

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| Omim ID            | <a href="#">118860</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Summary       | 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] |
| Other Designations | chorionic gonadotropin beta 3 subunit chorionic gonadotropin beta chain chorionic gonadotropin beta subunit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Gene Info — CGB5

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">93659</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Accession# | <a href="#">P01233</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Name          | CGB5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Alias         | HCG, MGC119822                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Description   | chorionic gonadotropin, beta polypeptide 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID            | <a href="#">608825</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Summary       | This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 5 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] |
| Other Designations | chorionic gonadotropin beta 5 subunit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Gene Info — CGB7

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|--------------------|------------------------|
| Entrez GeneID      | <a href="#">94027</a>  |
| Protein Accession# | <a href="#">P01233</a> |

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | CGB7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias         | CG-beta-a, FLJ35403, FLJ43118                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Description   | chorionic gonadotropin, beta polypeptide 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Omim ID            | <a href="#">608826</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 7 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 7 subunit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Gene Info — CGB8

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">94115</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Accession# | <a href="#">P01233</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Name          | CGB8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Description   | chorionic gonadotropin, beta polypeptide 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Omim ID            | <a href="#">608827</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 8 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 8 subunit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Disease

- [Abortion](#)
- [Abortion](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)