

## Rabbit HCG-beta Monoclonal Antibody | anti-HCG-beta antibody

HCG-beta (Pregnancy &amp; Choriocarcinoma Marker)

|                              |                       |                                               |                                             |
|------------------------------|-----------------------|-----------------------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA62923</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human. Others not known.</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|------------------------------|-----------------------|-----------------------------------------------|---------------------------------------------|

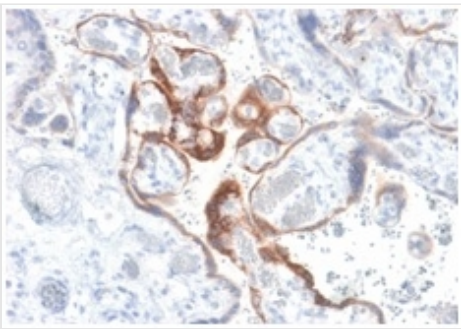
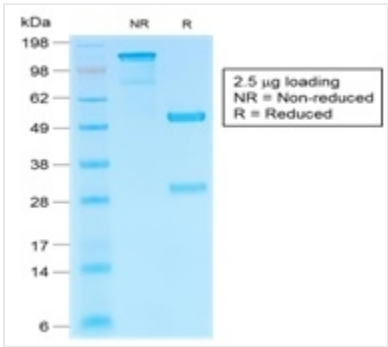
### PRODUCT SYNONYMS

HCG-beta; Monoclonal Antibody; HCG-beta (Pregnancy & Choriocarcinoma Marker); CG-beta; CGB3; CGB5; CGB7; CGB8; Choriogonadotropin Subunit beta; hCGB; anti-HCG-beta antibody

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                         | Human. Others not known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                                          | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype                                            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Clone Number                                       | HCGb/1985R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity                                        | This MAb reacts with a protein of 22kDa, identified as beta sub-unit of HCG. It does not cross react with the alpha sub-unit. HCG is a glycoprotein, which is secreted in large quantities by normal trophoblasts. It is present only in trace amounts in non-pregnant urine and sera but rises sharply during pregnancy. HCG is composed of two non-identical, non-covalently linked polypeptide chains designated as the $\alpha$ and $\beta$ subunits. The $\beta$ subunit is identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH), and luteinizing hormone (LH). hCG MAb detects cells and tumors of trophoblastic origin such as choriocarcinoma. Large cell carcinoma and adenocarcinoma of the lung demonstrate anti-hCG positivity in 90% and 60% of cases respectively. 20% of lung squamous cell carcinomas are positive. hCG expression by non-trophoblastic tumors may indicate aggressive behavior. |
| Form/Format                                        | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-HCG-beta antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen                                          | Recombinant full-length hCG beta protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cellular Localization                              | Cytoplasmic, Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Hu-chromosome Location                             | 19q13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Positive Control                                   | JAR or TT Cells. Placenta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage                            | Antibody with azide - store at 2 to 8 degree C.<br>Antibody without azide - store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

IMAGES



**IHC (Immunohistochemistry)**  
Formalin-fixed, paraffin-embedded Human placenta stained with hCG beta Rabbit Recombinant Monoclonal Antibody (HCGb/1985R).

**SDS-PAGE**  
SDS-PAGE Analysis of Purified hCG beta Rabbit Recombinant Monoclonal Antibody (HCGb/1985R).

ADDITIONAL INFORMATION

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| References | 1.CocquebertM et. al. Am J PhysiolEndocrinolMetab. 2012; 303(8):E950-8. |
|------------|-------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 116184                                     |
| NCBI GeneID                      | 94115                                      |
| UniProt Accession #              | P01233; P06126                             |
| Molecular Weight                 | 22kDa                                      |
| NCBI Official Synonym Full Names | chorionic gonadotropin subunit beta 8      |
| NCBI Official Symbol             | CGB8                                       |
| NCBI Protein Information         | chorionic gonadotropin, beta polypeptide 8 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hcg-beta-antibody-clone-hcgb-1985r-immunohistochemistry-elisa/62923>