

# Product Datasheet

## Chorionic Gonadotropin beta Chain (hCG beta) Antibody (HCGb/1985R) - Azide and BSA Free NBP3-08820

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP3-08820**

Chorionic Gonadotropin beta Chain (hCG beta) Antibody (HCGb/1985R) - Azide and BSA Free

| Product Information     |   |
|-------------------------|---|
| Unit Size               | 100 ug  |
| Concentration           | 1 mg/ml   |
| Storage                 | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal                                      |
| Clone                   | HCGb/1985R                                      |
| Preservative            | No Preservative                                 |
| Isotype                 | IgG   |
| Purity                  | Protein A or G purified                         |
| Buffer                  | 10 mM PBS                                       |
| Target Molecular Weight | 22 kDa  |

| Product Description     |  |
|-------------------------|--|
| Description             | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07497).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  |
| Host                    | Rabbit   |
| Gene ID                 | 1082   |
| Gene Symbol             | CGB3   |
| Species                 | Human  |
| Marker                  | Pregnancy & Choriocarcinoma Marker   |
| Specificity/Sensitivity | This monoclonal antibody 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 subunit is identical to that of thyroid stimulating hormone (TSH) follicle stimulating hormone (FSH), and luteinizing hormone (LH). hCG monoclonal antibody 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. |
| Immunogen               | Recombinant full-length Chorionic Gonadotropin beta Chain (hCG beta) protein (Uniprot: P01233)   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Immunohistochemistry-Paraffin 1-2 ug/ml   |
| Application Notes           | Immunohistochemistry Formalin-fixed: 1-2ug/ml 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. |



## Images

Immunohistochemistry-Paraffin: Chorionic Gonadotropin beta Chain (hCG beta) Antibody (HCGb/1985R) - Azide and BSA Free [NBP3-08820] - Formalin-fixed, paraffin-embedded human placenta stained with Chorionic Gonadotrophin beta Chain (hCG beta) Rabbit Recombinant Monoclonal Antibody (HCGb/1985R).





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### **Products Related to NBP3-08820**

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|                 |  |
|-----------------|--|
| HAF008          | Goat anti-Rabbit IgG Secondary Antibody [HRP]                              |
| NB7160          | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]                        |
| NBP2-24891      | Rabbit IgG Isotype Control   |
| NBP2-59545-10ug | Recombinant Human Chorionic Gonadotropin beta Chain (hCG beta) His Protein |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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