

# Product Datasheet

## **Chorionic Gonadotropin beta Chain (hCG beta) Antibody (SPM105) [Janelia Fluor® 669] NBP2-34392JF669**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34392JF669**

Chorionic Gonadotropin beta Chain (hCG beta) Antibody (SPM105) [Janelia Fluor® 669]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | SPM105  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Janelia Fluor 669   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| 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 Chorionic Gonadotropin beta Chain (hCG beta) protein (Uniprot: P01233)   |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Immunohistochemistry, Immunohistochemistry-Paraffin                    |
| Recommended Dilutions       | Immunohistochemistry, Immunohistochemistry-Paraffin                    |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP2-34392JF669**

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|                 |  |
|-----------------|--|
| NBP2-59545-10ug | Recombinant Human Chorionic Gonadotropin beta Chain (hCG beta) His Protein |
| 314-BP-010      | BMP-4 [Unconjugated]   |
| DY9034-05       | Chorionic Gonadotropin beta Chain (hCG beta) [Biotin]                      |
| NB120-15160     | Chromogranin A Antibody - BSA Free   |

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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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