

# Product Datasheet

## Chorionic Gonadotropin alpha/beta (hCG) Antibody (HCGab/52) [Alexa Fluor™ Plus 555] NBP3-11526AFP555

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11526AFP555**

Chorionic Gonadotropin alpha/beta (hCG) Antibody (HCGab/52) [Alexa Fluor™ Plus 555]

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                 | Store at 4C in the dark.   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | HCGab/52   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1 Kappa   |
| <b>Conjugate</b>               | Alexa Fluor Plus 555   |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| <b>Product Description</b>     |  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 1082   |
| <b>Gene Symbol</b>             | CGB3   |
| <b>Species</b>                 | Human  |
| <b>Marker</b>                  | Pregnancy & Choriocarcinoma Marker   |
| <b>Specificity/Sensitivity</b> | This monoclonal antibody is a very special because it reacts ONLY with the intact-HCG and not with either free alpha- or free beta-chain of HCG. HCG is a glycoprotein and 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 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 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. |
| <b>Immunogen</b>               | Purified Chorionic Gonadotropin alpha/beta (hCG) protein   |

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| <b>Notes</b> | <p>This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a>. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.</p> |
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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Immunohistochemistry-Paraffin, Immunohistochemistry                    |
| <b>Recommended Dilutions</b>       | Immunohistochemistry, Immunohistochemistry-Paraffin                    |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |



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### **Products Related to NBP3-11526AFP555**

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|             |  |
|-------------|--|
| 314-BP-010  | BMP-4 [Unconjugated]   |
| NBP3-18708  | Human Chorionic Gonadotropin alpha/beta (hCG) ELISA Kit (Colorimetric) |
| NB120-15160 | Chromogranin A Antibody - BSA Free                                     |
| DY523B-05   | ST2/IL-33R [Biotin]  |

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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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