

# Product Datasheet

## alpha-Fetoprotein/AFP Antibody (C2) [Alexa Fluor® 700] NBP2-48016AF700

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-48016AF700**

alpha-Fetoprotein/AFP Antibody (C2) [Alexa Fluor® 700]

| <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>                   | C2   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1 Kappa   |
| <b>Conjugate</b>               | Alexa Fluor 700  |
| <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>                 | 174  |
| <b>Gene Symbol</b>             | AFP  |
| <b>Species</b>                 | Human, Mouse, Bovine (Negative), Canine (Negative), Rat (Negative)   |
| <b>Reactivity Notes</b>        | Does not react with Bovine, Canine or Rat.   |
| <b>Marker</b>                  | Hepatocellular/Germ Cell Tumor Marker  |
| <b>Specificity/Sensitivity</b> | It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP) (ISOBM TD-2 workshop). This monoclonal antibody is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin. AFP is normally synthesized in the liver, intestinal tract, and yolk sac of the fetus. Antibody to AFP has been shown to be useful in detecting hepatocellular carcinomas (HCC) and germ cell neoplasms, especially yolk sac tumors.  |
| <b>Immunogen</b>               | Alpha feto protein (AFP) Purified from serum of a hepatoma patient (Uniprot: P02771)   |
| <b>Notes</b>                   | Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are 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, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.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. |



| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Immunohistochemistry, Immunohistochemistry-Paraffin                    |
| <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 NBP2-48016AF700**

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|                   |   |
|-------------------|---|
| IC002N            | Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 700] |
| NBP2-52171-0.05mg | Recombinant Human alpha-Fetoprotein/AFP His Protein   |
| M6000B-1          | IL-6 [HRP]  |
| MAFP00            | alpha-Fetoprotein/AFP [HRP]                           |

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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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