

# Product Datasheet

## **alpha-Fetoprotein/AFP Antibody (C2 + C3 + MBS-12) [Allophycocyanin] NBP2-48013APC**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-48013APC**

alpha-Fetoprotein/AFP Antibody (C2 + C3 + MBS-12) [Allophycocyanin]

| 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                       | C2 + C3 + MBS-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype                     | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Conjugate                   | Allophycocyanin                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity                      | Protein A or G purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Buffer                      | PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene ID                     | 174                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Symbol                 | AFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Species                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Marker                      | Hepatocellular/Germ Cell Tumor Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity/Sensitivity     | It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP). 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. |
| Immunogen                   | Recombinant full-length human alpha-Fetoprotein/AFP protein (Uniprot: P02771)                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applications                | Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                                                                                                                                                                                                                                                                                                                                                                              |
| Recommended Dilutions       | Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin                                                                                                                                                                                                                                                                                                                                                                                              |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                                                                                                                                                                                                                                                                                                                                                                    |





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### **Products Related to NBP2-48013APC**

|                   |                                                      |
|-------------------|------------------------------------------------------|
| IC002A            | Mouse IgG1 Isotype Control (11711) [Allophycocyanin] |
| NBP2-52171-0.05mg | Recombinant Human alpha-Fetoprotein/AFP His Protein  |
| M6000B-1          | IL-6 [HRP]                                           |
| MAFP00            | alpha-Fetoprotein/AFP [HRP]                          |

### **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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