

# Anti-AFP Antibody (2E1C10)

Mouse Monoclonal Antibody

Catalog # ABV12085

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | E                      |
| Primary Accession | <a href="#">P02771</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | Mouse IgG1, $\kappa$   |
| Clone Names       | 2E1C10                 |
| Calculated MW     | 68678                  |

## Additional Information

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|--------------------------|--------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 174                                                                                                          |
| Positive Control         | ELISA                                                                                                        |
| Application & Usage      | ELISA Capture: 1-10 $\mu$ g/ml, ELISA Detection: 0.05-0.2 $\mu$ g/ml                                         |
| Other Names              | Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP, AFP, Alpha-fetoprotein                                       |
| Target/Specificity       | Alpha-Feto Protein                                                                                           |
| Antibody Form            | Liquid                                                                                                       |
| Appearance               | Colorless liquid                                                                                             |
| Reconstitution & Storage | -20 °C                                                                                                       |
| Background Descriptions  |                                                                                                              |
| Precautions              | Anti-AFP Antibody (2E1C10) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | AFP                                                                                                                                                                                       |
| Synonyms          | HPAFP                                                                                                                                                                                     |
| Function          | Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties. |
| Cellular Location | Secreted.                                                                                                                                                                                 |

## Tissue Location

Plasma. Synthesized by the fetal liver and yolk sac

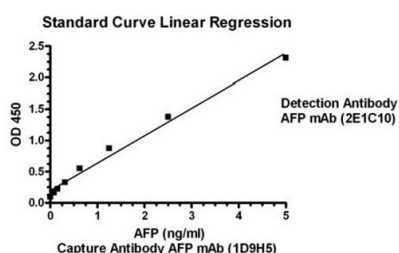
## Background

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AFP (Alpha-Feto Protein) is a glycoprotein with molecular weight of approximately 70 kDa. It is a major protein in developing fetus and decreases to lower level after birth. In healthy adults, less than 20 ng/ml of AFP is found in the serum. Serum AFP elevates when hepatocellular carcinoma or testicular germ cell tumors occurs. Therefore, it is a useful marker in diagnosing hepatocellular carcinoma and germ cell tumors. In addition, for pregnant women, the AFP concentration is 10-150 ng/ml in the blood. High levels of AFP can indicate a neural tube defect of the fetus, such as spina bifida. AFP Antibody is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with AFP protein purified from human hepatocellular carcinoma

## Images

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Antibody pairs analysis of AFP monoclonal antibodies by Sandwich ELISA

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.