

**Anti-AFP Antibody (3B6G7)**  
**Mouse Monoclonal Antibody**  
**Catalog # ABV12086****Specification**

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**Anti-AFP Antibody (3B6G7) - Product Information**

Application	E
Primary Accession	<a href="#">P02771</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, $\kappa$

**Anti-AFP Antibody (3B6G7) - Additional Information****Gene ID** 174

Positive Control	ELISA
Application & Usage	ELISA Capture: 1-10 $\mu\text{g/ml}$ , ELISA Detection: 0.05-0.2 $\mu\text{g/ml}$

**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 (3B6G7) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-AFP Antibody (3B6G7) - Protein Information****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.

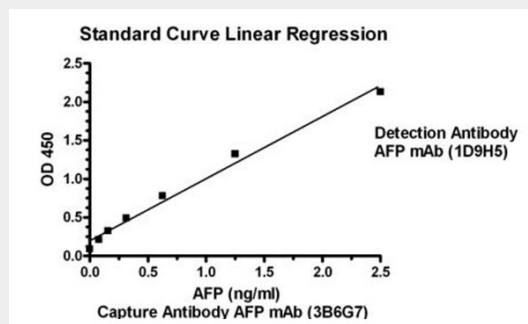
**Tissue Location**

Plasma. Synthesized by the fetal liver and yolk sac

**Anti-AFP Antibody (3B6G7) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-AFP Antibody (3B6G7) - Images**

Antibody pairs analysis of AFP monoclonal antibodies by Sandwich ELISA

**Anti-AFP Antibody (3B6G7) - Background**

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