

Anti-AFP Antibody (1D9H5)
Mouse Monoclonal Antibody
Catalog # ABV12084**Specification**

Anti-AFP Antibody (1D9H5) - Product Information

Application	E
Primary Accession	P02771
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, κ

Anti-AFP Antibody (1D9H5) - 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 (1D9H5) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-AFP Antibody (1D9H5) - 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

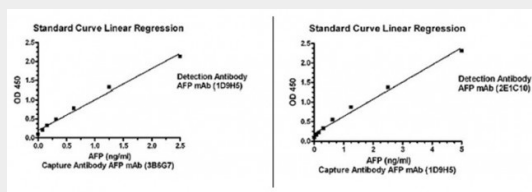
Plasma. Synthesized by the fetal liver and yolk sac

Anti-AFP Antibody (1D9H5) - 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 (1D9H5) - Images



Antibody pairs analysis of AFP monoclonal antibodies by Sandwich ELISA

Anti-AFP Antibody (1D9H5) - 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