

# Anti-AFP Antibody (1D9H5)

Mouse Monoclonal Antibody

Catalog # ABV12084

## Product Information

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<b>Application</b>	E
<b>Primary Accession</b>	<a href="#">P02771</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clone Names</b>	1D9H5
<b>Calculated MW</b>	68678

## Additional Information

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<b>Gene ID</b>	174
<b>Positive Control</b>	ELISA
<b>Application &amp; Usage</b>	ELISA Capture: 1-10 $\mu$ g/ml, ELISA Detection: 0.05-0.2 $\mu$ g/ml
<b>Other Names</b>	Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP, AFP, Alpha-fetoprotein
<b>Target/Specificity</b>	Alpha-Feto Protein
<b>Antibody Form</b>	Liquid
<b>Appearance</b>	Colorless liquid
<b>Reconstitution &amp; Storage</b>	-20 °C
<b>Background Descriptions</b>	
<b>Precautions</b>	Anti-AFP Antibody (1D9H5) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	AFP
<b>Synonyms</b>	HPAFP
<b>Function</b>	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.
<b>Cellular Location</b>	Secreted.

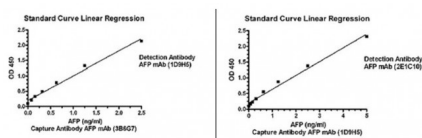
## Tissue Location

Plasma. Synthesized by the fetal liver and yolk sac

## 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

## Images



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'.