

**AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide**

Mouse Monoclonal Antibody [Clone D10 ]  
Catalog # AH11145

**Specification****AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Product Information**

Application	IF, FC
Primary Accession	<a href="#">P02771</a>
Other Accession	<a href="#">174</a> , <a href="#">518808</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	70kDa KDa

**AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Additional Information**

Gene ID 174

**Other Names**

Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, AFP, HPAFP

**Application Note**

<span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_FC">FC~~1:10~50</span>

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - 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

### **AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - 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](#)

### **AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Images**

### **AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - Background**

It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha-fetoprotein (AFP) (ISOBM TD-2 workshop and assigned by K. Nustad to group D of a cluster of 6 major epitopes of human alpha fetoprotein). This MAb 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.

### **AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Antibody - With BSA and Azide - References**

Tsung K., et al. Milunsky A., Alpert E. Derivation and characterization of a monoclonal hybridoma antibody specific for human alpha-fetoprotein. *J. Immunol. Methods* 39: 363-368, (1980) | Michell B., Fiebach H., Karsten U., Goussev A.I., Yazova A.K., Knopp J. Monoclonal antibodies to different epitopes of human alpha-fetoprotein (AFP). *Eur. J. Cancer Clin. Oncol.* 19:1239-1246, (1983). | Yazova A.K., Goussev A.I., Poltorania V.S., Yakimenko E.F., Human alpha- fetoprotein epitopes as revealed by monoclonal antibodies. *Immunol. Lett.* 25: 325-330, (1990). | Nustad K., Paus E., Kierulf B., Bormer O.P. Specificity and affinity of 30 monoclonal antibodies against alpha-fetoprotein. *Tumor Biol* 19: 293 -300, (1998). | Yakimenko E.F., Karamova E.R., Goussev A.I., Hilgers J., Abelev G.I., Yazova A.K.: Epitope mapping of human alpha-fetoprotein. *Tumor Biol* 19: 301309, (1998)