

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 | ,3,4, |
| Primary Accession | P02771 |
| Other Accession | 174 , 518808 |
| 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

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) | Mitchell 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., Borner 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)