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

Mouse Monoclonal Antibody [Clone SPM334 ]
Catalog # AH10423

## Product Information

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|---|---|
| **Application** | IF, FC, IHC-P |
| **Primary Accession** | P02771 |
| **Other Accession** | 174, 518808 |
| **Reactivity** | Human, Monkey, Pig, Dog |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse / IgG2a, kappa |
| **Clone Names** | SPM334 |
| **Calculated MW** | 68678 |

## Additional Information

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|---|---|
| **Gene ID** | 174 |
| **Other Names** | Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, AFP, HPAFP |
| **Application Note** | IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A |
| **Format** | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| **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. |

## Protein Information

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| **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. |

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| **Tissue Location** | Plasma. Synthesized by the fetal liver and yolk sac |

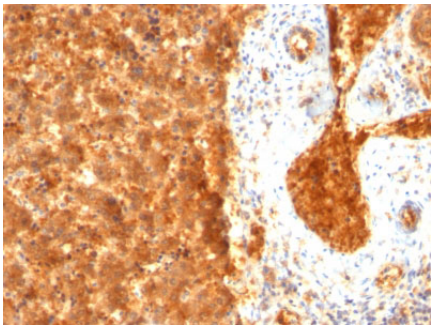
## Background

It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP). 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.

## References

Yazova AK; Goussev AI; Poltoranina VS; Yakimenko EF. Human alpha-fetoprotein epitopes as revealed by monoclonal antibodies. Immunology Letters, 1990 Sep, 25(4):325-30

## Images



Formalin-fixed, paraffin-embedded human Fetal Liver stained with AFP Monoclonal Antibody (SPM334).