

## Mouse AFP (Alpha Fetoprotein) Monoclonal Antibody | anti-AFP antibody

AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Mouse Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY                                                            | APPLICATIONS                                                               |
|-----------|-------|-----------------------------------------------------------------------|----------------------------------------------------------------------------|
| AAA62502  | Mouse | Human, Monkey, Dog, Pig. Does not react with Cow, Cat, Mouse, and Rat | Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay |

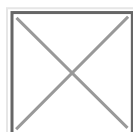
### PRODUCT SYNONYMS

AFP (Alpha Fetoprotein); Monoclonal Antibody; AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker) Mouse Monoclonal Antibody; Alpha fetoglobulin; FETA; HPAFP; anti-AFP antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity                                    | Human, Monkey, Dog, Pig.<br>Does not react with Cow, Cat, Mouse, and Rat                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                                       | IgG2a, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone Number                                  | SPM334                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity                                   | 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. |
| Form/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.                                                                                                                                                                                                                                                                                                    |
| Sequence Length                               | 609                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-AFP antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                            |
| Cellular Localization                         | Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                                     | Alpha fetoprotein (AFP) purified from serum of a hepatoma patient                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hu-Chromosome Location                        | 4q13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Positive Control                              | Hep-G2 cells. Fetal liver or hepatocellular carcinoma                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                       | Antibody with azide - store at 2 to 8°C<br>Antibody without azide - store at -20 to -80°C.                                                                                                                                                                                                                                                                                                                                                                                |

### IMAGES



#### IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

|            |                                                                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                   |
|----------------------------------|-------------------|
| NCBI GI #                        | 4501989           |
| NCBI GeneID                      | 174               |
| NCBI Accession #                 | NP_001125.1       |
| NCBI GenBank Nucleotide #        | NM_001134.2       |
| UniProt Accession #              | P02771; B2RBU3    |
| Molecular Weight                 | 70kDa             |
| NCBI Official Full Name          | alpha-fetoprotein |
| NCBI Official Synonym Full Names | alpha fetoprotein |
| NCBI Official Symbol             | AFP               |
| NCBI Official Synonym Symbols    | AFPD; FETA; HPAFP |
| NCBI Protein Information         | alpha-fetoprotein |
| UniProt Protein Name             | Alpha-fetoprotein |
| UniProt Gene Name                | AFP               |
| UniProt Synonym Gene Names       | HPAFP             |
| UniProt Entry Name               | FETA_HUMAN        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/afp-alpha-fetoprotein-antibody-clone-spm334-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62502>