

## Mouse AFP Monoclonal Antibody | anti-AFP antibody

AFP antibody

|                               |                      |                                                                                           |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA106283</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|

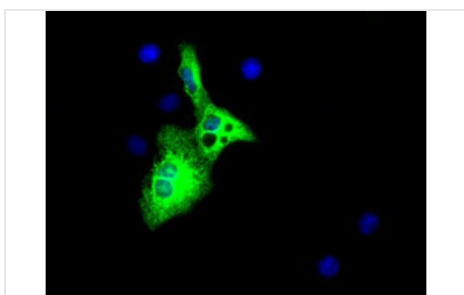
### PRODUCT SYNONYMS

AFP; Monoclonal Antibody; AFP antibody; Monoclonal AFP; Anti-AFP; alpha Fetoprotein; alpha-Fetoprotein; anti-AFP antibody

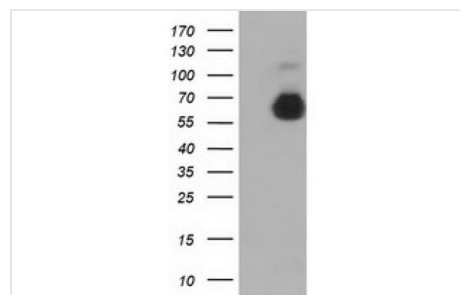
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                    |
| Isotype                                       | IgG2a                                                                                                                                                                                                                                                                                                                                         |
| Clone Number                                  | 2 E2                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification                           | AFP antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                                                         |
| Form/Format                                   | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                                       |
| Concentration                                 | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                |
| Sequence Length                               | 609                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-AFP antibody | WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                         |
| Biological Significance                       | Alpha-fetoprotein (AFP) is a protein that in humans is encoded by the AFP gene. Alpha-fetoprotein is a major plasma protein produced by the yolk sac and the liver during fetal life. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem on chromosome 4. |
| Cross-Reactivity                              | Human                                                                                                                                                                                                                                                                                                                                         |
| Immunogen                                     | AFP antibody was raised in mouse using a full length recombinant protein of human AFP (NP_001125) produced in HEK293T cells, as the immunogen.                                                                                                                                                                                                |
| Preparation and Storage                       | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                       |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescent staining of COS7 cells transiently transfected with recombinant AFP protein using AFP antibody


**WB (Western Blot)**

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AFP protein (Right) or empty vector (Left) detected with AFP antibody

ADDITIONAL INFORMATION

|                                                   |                               |
|---------------------------------------------------|-------------------------------|
| Related Product Information for anti-AFP antibody | Mouse monoclonal AFP antibody |
| Product Categories/Family for anti-AFP antibody   | Cancer                        |

NCBI AND UNIPROT INFORMATION

|                                  |                   |
|----------------------------------|-------------------|
| NCBI GI #                        | 4501989           |
| NCBI GeneID                      | 174               |
| NCBI Accession #                 | NP_001125         |
| NCBI GenBank Nucleotide #        | NM_001134.1       |
| UniProt Accession #              | P02771; B2RBU3    |
| Molecular Weight                 | 68,678 Da         |
| 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://www.aaabiotech.com/monoclonal/afp-antibody-clone-2-e2-western-blot-immunofluorescence-flow-cytometry-elisa/106283>