

## 36-1082: Monoclonal Antibody to AFP (Alpha Fetoprotein) (Hepatocellular/Germ Cell Tumor Marker)(Clone : MBS-12)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal                                      |
| <b>Clone Name :</b>            | MBS-12  |
| <b>Application :</b>           | IHC,FACS,IF                                     |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | AFP   |
| <b>Gene ID :</b>               | 174   |
| <b>Uniprot ID :</b>            | P02771  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | AFP,HPAFP                                       |
| <b>Isotype :</b>               | Mouse IgG1, kappa                               |
| <b>Immunogen Information :</b> | Recombinant full-length human Alpha fetoprotein |

### Description

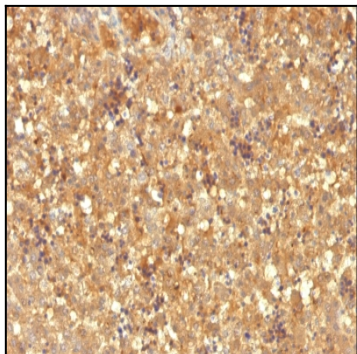
It recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP). This MAb is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin. The yolk sac and the liver produce AFP during fetal life. AFP expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the AFP and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. AFP is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of AFP in amniotic fluid is used to measure renal loss of protein to screen for spinal bifida and anencephaly.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Affinity Chromatography   |
| <b>Content :</b>           | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                               |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

### Application Note

Flow Cytometry (0.5-1ug/million cells in 0.1ml); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Fetal Liver stained with AFP Monoclonal Antibody (MBS-12).