

## Datasheet

### AFP monoclonal antibody, clone AFP-Y1

**Catalog Number:** MAB6776

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody  
raised against native AFP.

**Clone Name:** AFP-Y1

**Immunogen:** Native purified human amniotic fluid AFP.

**Host:** Mouse

**Reactivity:** Human

**Applications:** Cap Ab, IP, RIA, S-ELISA  
(See our web site product page for detailed applications  
information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product  
page for detailed protocols

**Specificity:** This antibody has no detectable  
cross-reaction with human normal serum proteins.

**Form:** Lyophilized

**Isotype:** IgG1

**Recommend Usage:** Sandwich ELISA (Capture  
Coating Dose: 0.1 ug/well)  
The optimal working dilution should be determined by  
the end user.

**Storage Buffer:** Lyophilized from 10 mM PBS, pH 7.0

**Storage Instruction:** Store at -20°C.  
Aliquot after reconstitution to avoid repeated freezing  
and thawing.

**Entrez GeneID:** 174

**Gene Symbol:** AFP

**Gene Alias:** FETA, HPAFP

**Gene Summary:** This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein 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 alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. [provided by RefSeq]