

AFP monoclonal antibody, clone AFP-Y1

Catalog # MAB6776 Size 500 ug

Specification

Product Description	Mouse monoclonal antibody raised against native AFP.
Immunogen	Native purified human amniotic fluid AFP.
Host	Mouse
Reactivity	Human
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.

Applications

- Immunoprecipitation
- Sandwich ELISA
- Capture Antibody
- Radioimmunoassay

Gene Info — AFP

Entrez GeneID [174](#)**Gene Name** AFP**Gene Alias** FETA, HPAFP**Gene Description** alpha-fetoprotein**Omim ID** [104150](#)**Gene Ontology** [Hyperlink](#)**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]

Other Designations OTTHUMP00000160480|alpha-1-fetoprotein|alpha-fetoglobulin

Disease

- [Carcinoma](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)