AFP monoclonal antibody, clone MBS-12

Catalog # MAB5294 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against AFP.
Immunogen	Immunized with human AFP.
Host	Mouse
Reactivity	Human, Mammals
Specificity	MBS-12 specifically detects AFP. This protein is one of the major serum proteins in the early life of mammals. AFP is an oncodevelopmental gene product which is expressed at high levels in the embryonic yolk sac and fetal liver. AFP production is reactivated in the adult during liver regeneration and hepatocarcinogenesis.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay

Gene Info — AFP

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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 liv er during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or ter atoma. However, hereditary persistance 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 Re fSeq
Other Designations	OTTHUMP00000160480|alpha-1-fetoprotein|alpha-fetoglobulin

Disease

- Carcinoma
- Liver Cirrhosis
- Liver Neoplasms

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