Mouse Anti-Human AFP monoclonal antibody, clone YB3 (DMAB-L21031)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview  Purified mouse monoclonal antibody to AFP
Immunogen          Purified natural AFP protein.
Isotype            IgG
Source/Host        Mouse
Species Reactivity Human
Clone              YB3
Purification       ≥ 95 %
Conjugate          Unconjugated
Applications       IA, IB, ELISA(Cap)
Format             Liquid
Concentration      Lot specific
Buffer             50% ammonium sulfate
Preservative       See individual product datasheet
Storage            Store at 4 deg C for short term storage. Aliquot and store at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.
Warnings           For research use only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

BACKGROUND

Introduction  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.

**Keywords**

AFP; alpha-fetoprotein; FETA; HPAFP; OTTHUMP00000160480; OTTHUMP00000220440; alpha-fetoglobulin; alpha-1-fetoprotein

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**GENE INFORMATION**

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