

Mouse Monoclonal Antibody to AFP

Catalogue Number	sAP-0330
Target Molecule	Name: AFP Aliases: alpha-fetoprotein; FETA; HPAFP MW: 69kDa Entrez Gene ID: 174
Description	AFP (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.
Immunogen	Purified recombinant fragment of human AFP expressed in E. Coli.
Recitative Species	Human
Clone	MM6E6;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Antibody are purified by protein G affinity chromatography. ; Liquid in PBS containing 50% glycerol and 0.03% sodium azide. ;
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Proc Natl Acad Sci U S A. 1985 Nov;82(21):7160-4. ; 2. Pediatr Hematol Oncol. 2001 Dec;18(8):509-18. ; 3. Tumour Biol. 2002 Jul-Aug;23(4):202-11.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**