

Monoclonal Antibody to Alpha-fetoprotein (AFP) - Purified

Alternate names:	Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP
Catalog No.:	BM2155
Quantity:	1 mg
Concentration:	3.02 mg/ml (OD280 nm, E1% = 14)
Background:	Alpha 1 Fetoprotein is 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. Expression has been documented in human adrenal, liver, ovary, testis, and pancreas. ESTs have been isolated from normal human brain, liver/spleen, embryo and uterus tissue libraries.
Uniprot ID:	P02771
NCBI:	NP_001125.1
GeneID:	174
Host / Isotype:	Mouse / IgG1
Clone:	1301
Immunogen:	Purified AFP from Cord Blood
Format:	State: Liquid purified Ig fraction. Purification: Protein A chromatography. Buffer System: PBS, pH 7.4, containing 0.09% Sodium Azide as preservative.
Applications:	For Enzyme conjugation, Radio-labeling or Solid Phase Immobilization. Suitable as detection antibody for Immunoassay. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with Human alpha Fetoprotein. No cross reactivity with Human albumin, CEA, Ferritin, hCG, PSA. Affinity Constant: 5 x 10 ^{e10}
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com