

Product datasheet for **BM2155**

alpha 1 Fetoprotein (AFP) Mouse Monoclonal Antibody [Clone ID: 1301]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1301
Applications:	ELISA, R
Recommended Dilution:	For Enzyme conjugation, Radio-labeling or Solid Phase Immobilization. Suitable as detection antibody for Immunoassay.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified AFP from Cord Blood
Specificity:	This antibody reacts with Human alpha Fetoprotein. No cross reactivity with Human albumin, CEA, Ferritin, hCG, PSA.
Formulation:	PBS, pH 7.4, containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A chromatography.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	alpha fetoprotein
Database Link:	Entrez Gene 174 Human P02771



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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.

Synonyms:

Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP