

Product datasheet for **AM05441PU-S**

alpha 1 Fetoprotein (AFP) Mouse Monoclonal Antibody [Clone ID: MBS-12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MBS-12
Applications:	ELISA, IHC
Recommended Dilution:	<i>MBS-12</i> can be applied for detection of AFP on ELISAs and Immunohistochemistry on Frozen Sections .
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Alpha-fetoprotein (AFP). Spleen cells from immunised BALB/c mice were fused with cells of the NS1 myeloma cell line.
Specificity:	This antibody clone <i>MBS-12</i> specifically detects AFP, an important oncodevelopmental gene product, also expressed in adults during liver regeneration and hepatocarcinogenesis.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store 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 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.

Synonyms:

Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP