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Product datasheet for AM00787PU-N

alpha 1 Fetoprotein (AFP) Mouse Monoclonal Antibody [Clone ID: 131-12210 (TB-4B2-10)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	131-12210 (TB-4B2-10)
Applications:	ELISA, IHC
Recommended Dilution:	**Immunohistochemistry.** **ELISA.** ***Recommended pair for sandwich immunoassay:*** Capture: AM00787PU-N Detection: AM00786PU-N
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	AFP prepared from human placenta
Specificity:	This antibody recognizes Alpha Fetoprotein (AFP).
Formulation:	10mM Phosphate, pH 7.2 containing 150mM Sodium Chloride State: Purified State: Liquid purified IgG fraction (0.2µm filtered) Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
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

View online »

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Background: Alpha fetoprotein is a 68kD plasma protein found in fetuses over four weeks old, produced by the yolk sac and the fetal liver, with the highest concentration reached during the 12th to 16th week of gestation. It binds and transports various ligands such as bilirubin, fatty acids, steroids, heavy metals and various drugs. After birth, plasma levels drop to trace amounts in healthy adults.
Elevated AFP levels are indicative of certain cancers, particularly hepatocellular carcinoma, cancer of the testes or ovaries or a malignant teratoma. During pregnancy increased levels of AFP may indicate neural tube defects such as spina bifida, while decreased levels could indicate Down's syndrome.

Synonyms: Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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