

Alpha-Fetoprotein (AFP)

Purified AFP

Catalog No.	Source	Purity
A0724	Human Cord Serum	≥95% by SDS-PAGE
A0723	Human Cord Serum	≥50% by Immunoassay/Lowry
A2414	Human Hepatoma Cell Line	≥95% by SDS-PAGE

AFP Monoclonal

Catalog No.	Clone No.	Subclass	Affinity Constant
MA075	CA001	IgG	6.0×10^9

ALPHA-FETOPROTEIN

Alpha-Fetoprotein (AFP) belongs to the α 1-globulin family of human plasma proteins and contains approximately 4% carbohydrate. AFP is produced primarily in the fetal liver and can be found in fetal and maternal blood and in amniotic fluid.

As part of a triple-marker screening protocol with human chorionic gonadotropin and unconjugated estriol, immunoassays for maternal serum levels of AFP are useful in detecting neural tube defects and Down's Syndrome. Elevated AFP serum levels are also found in pregnant women with diabetes and Rh immunization. Furthermore, AFP serum levels may be indicative of viral hepatitis, chronic active hepatitis, ulcerative colitis, Crohn's disease, alcoholic cirrhosis, and adenocarcinoma of the liver, lung, pancreas, stomach, and gall bladder.

PURIFIED AFP & ANTIBODIES

Scripps Laboratories offers purified AFP from two sources: human cord serum and a human hepatoma cell line. Both are purified to a high degree, but the cord serum material is also available as an intermediate purity preparation.

Scripps offers one DEAE purified mouse monoclonal antibody.