

Anti-Alpha-fetoprotein Antibody (90812)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	90812
Purification:	Protein A

Applications

Verified Activity:	1. AFP was immunoprecipitated using: <ul style="list-style-type: none">-Lane A:0.5 mg HepG2 Whole Cell Lysate.-2 μL anti-AFP rabbit monoclonal antibody and 60 μg of Immunomagnetic beads Protein G.-Primary antibody:<ul style="list-style-type: none">-Anti-AFP rabbit monoclonal antibody, at 1:100 dilution.-Secondary antibody:<ul style="list-style-type: none">-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.-Developed using the odyssey technique.-Performed under reducing conditions.-Predicted band size: 68 kDa.-Observed band size: 68 kDa.
	2. Anti-AFP rabbit monoclonal antibody at 1:500 dilution. <ul style="list-style-type: none">-Lane A: HepG2 Whole Cell lysate.-Lysates/proteins at 30 μg per lane.-Secondary<ul style="list-style-type: none">-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.-Developed using the Odyssey technique.-Performed under reducing conditions.-Predicted band size:69 kDa.-Observed band size:69 kDa
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IP: 0.5-2 μ L/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human AFP / alpha-fetoprotein protein (TMPY-02509)

Antigen Species: Human

Synonyms: FETA;AFPD; α -fetoprotein;Alpha-fetoprotein;HPAFP

Research Background

Alpha-fetoprotein (AFP) is classified as a member of the albuminoid gene superfamily consisting of albumin, AFP, vitamin D (Gc) protein, and alpha-albumin. AFP is a glycoprotein of 591 amino acids and a carbohydrate moiety. AFP is one of the several embryo-specific proteins and is a dominant serum protein as early in human embryonic life as one month, when albumin and transferrin are present in relatively small amounts. It is first synthesized in the human by the yolk sac and liver(1-2 months) and subsequently predominantly in the liver. A small amount of AFP is produced by the GI tract of the human conceptus. It has been proved that AFP may reappear in the serum in elevated amounts in adult life in association with normal restorative processes and with malignant growth. Alpha-fetoprotein (AFP) is a specific marker for hepatocellular carcinoma (HCC), teratoblastomas, and neural tube defect (NTD).Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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