

## Human Alpha Fetoprotein

### Purified Antigen(AFP)

Cat. No. CDA001

Lot. No. (See product label)

#### PRODUCT INFORMATION

**Description:** AFP is a glycoprotein containing about 4% carbohydrate. AFP is produced by the fetal liver and is not normally expressed in adults.

**Source:** Human fetal cord serum

**Format:** Purified, Lyophilized. Reconstitute to 1mg/ml in 50mM Tris pH 7.5, 50mM ammonium bicarbonate pH 8.1 or PBS. Prior to reconstitution rap the bottom of the vial against a bench top to ensure all product is at the bottom of the vial. Allow the reconstitution buffer to equilibrate to room temperature before use. Allow the vial to sit without agitation for at least 5 minutes followed by vortexing at slow speed or gentle swirling.

**Contaminants:** less than detectable limit of Albumin by SDS-PAGE.

**Purification:** 80% pure (SDS-PAGE). Column chromatography

**Activity:** 0.5mg/ml

**Buffer:** Lyophilized from 1N PBS, pH 7.5

**Applications:** Specific methodologies have not been tested using this product.

**Storage:** Upon receipt, store at -20°C

**Warnings:** All human source materials have tested negative for HIV1, HIV2, HCV antibodies and HbsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.

#### FOR RESEARCH USE ONLY

#### GENE INFORMATION

**Gene Name:** [AFP](#)

**Synonyms:** Alpha-fetoprotein; Alpha-fetoglobulin; Alpha-1-fetoprotein; AFP; FETA; HPAFP; HP; OTTHUMP00000160480; FETA\_HUMAN; Alpha-fetoprotein [Precursor].

**mRNA Refseq:** [NM\\_001134](#)

**Protein Refseq:** [NP\\_001125](#)

**UniProt ID:** P02771

**MIM:** [104150](#)

**Gene ID:** [174](#)

**Chromosome Location:** 4q11-q13

**Function:** copper ion binding; metal ion binding; nickel ion binding

#### REFERENCES

- 1.izaret P, Martel N, Tuyns A, Reynaud S (1977). "Mean alpha-fetoprotein values of 1,333 males over 15 years by age groups". Digestion 15 (2): 97–103.
- 2.lohm ME, Vesterling-Hörner D, Calaminus G, Göbel U (1998). "Alpha 1-fetoprotein (AFP) reference values in infants up to 2 years of age.". Pediatric hematology and oncology 15 (2): 135–42.
- 3.hama K, Nagase H, Ogino K, et al (1997). "Alpha-fetoprotein (AFP) levels in normal children.". European journal of pediatric surgery : official journal of Austrian Association of Pediatric Surgery ... [et al] = Zeitschrift für Kinderchirurgie 7 (5): 267–9.

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