



# Meridian

## Life Science,® Inc.

Innovative Solutions. Trusted Partner.®

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### CERTIFICATE OF ANALYSIS

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

**Catalog #:** A32260H **Lot #:** 23K31117

**Description:** Human AFP Antigen Grade  
Human Alpha Fetoprotein (AFP) Antigen Grade

AFP has three isoforms (AFP-L1, AFP-L2 and AFP-L3) of which AFP-L3 is the main isoform associated with germ cell and liver tumors. A32260H is derived from a liver tumor cell (not human cord serum) and contains approximately 70% of the AFP-L3 isoform (compared to human cord serum which typically only contains 10% AFP-L3).

**Source:** Cell culture derived; human hepatocellular carcinoma.

**Format:** Affinity Purified, Liquid

**Purification:** > 95% pure (PAGE electrophoresis, Western Blot).  
Product is 0.2 µm filtered.

**Concentration:** Specific Protein: 3.04 mg/mL (Roche Elecsys AFP Assay)  
Total Protein: 3.75 mg/mL (OD280nm, E<sup>0.1%</sup> = 0.53)

**Buffer:** 0.1 M Tris, 0.2 M Sodium Chloride, pH 7.5 ± 0.2.

**Preservative:** 0.1% Sodium Azide

**Application:** Suitable for use in Western Blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Short-term (up to 14 days) store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

**Inactivation:** Not Applicable

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

*Brenda D...*

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**