

SPECIFICATION SHEET

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

Catalog #: H45301M **Lot #:** 19D10910

Description: MAb to Human Alpha Fetoprotein
Monoclonal Antibody to Human Alpha Fetoprotein (AFP)

Specificity: No cross-reactivity with Human albumin, CEA, Ferritin, hCG, PSA.

Clone: 1301

Host Animal: Mouse. Hybridization of P3X63-Ag8.653 myeloma cells with spleen cells from BALB/c mice. **Isotype:** IgG₁

Source: Ascites

Immunogen: Purified AFP from Cord Blood

Format: Purified, Liquid

Purification: Protein A column chromatography

Concentration: 3.02mg/ml (OD280nm, E^{1%} = 14)

Affinity Constant: 5 x 10¹⁰ L/mol

Buffer: PBS, pH 7.4

Preservative: 0.1% Sodium azide

Applications: For enzyme conjugation, radio labeling or solid phase immobilization. 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.

Recommended pair for immunoassay:

<u>Capture</u>	<u>Detection</u>
H45610M	H45301M

Storage: Short-term (up to 6 months) store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warning: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.