



CERTIFICATE OF ANALYSIS

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

Catalog #: MAM39-221 **Lot #:** 6B03212

Description: MAb to Cytokeratin 19
Monoclonal Antibody to Human Cytokeratin 19

Specificity: Specific to Rod domain of Cytokeratin peptide 19 (40 kDa) in human tissue.

Clone: 236-11221

Host Animal: Mouse **Isotype:** IgG_{2a}

Source: Cell Culture

Immunogen: Human mammary carcinoma cell line MCF-7.

Format: Purified, Liquid

Purification: > 95% pure (SDS-PAGE). Protein A Chromatography

Concentration: 1 mg/mL

Affinity Constant: Not Determined

Buffer: PBS, pH 7.4

Preservative: 15 mM Sodium Azide

Applications: Suitable for use in immunohistochemistry (paraffin sections), immunoprecipitation, Western blot, immunocytochemistry and ELISA. 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 7 days) store at 2-8°C. Long term, aliquot and store at -20°C. If aliquoted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used. Avoid repeated 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.

References: The references listed below are for research purposes only:

1. Karsten, U., et al., (1985), "Monoclonal anti-cytokeratin antibody from a hybridoma clone generated by electrofusion", *Eur. J. Cancer Clin. Oncol.*, **21**(6), 733-740.
2. Kasper, M., (1988), "Patterns of cytokeratin and vimentin expression in the human eye", *Histochemistry*, **89**(4): 369-377.

Signature

26 September 2013

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY