



1F-120-C025

## Monoclonal Antibody to Cytokeratin 19 Fluorescein (FITC) conjugated (0.025 mg)

|                             |  |
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| <b>Clone:</b>               | A53-B/A2   |
| <b>Isotype:</b>             | Mouse IgG2a  |
| <b>Specificity:</b>         | The antibody A53-B/A2 reacts with Rod domain of cytokeratin 19 (40 kDa) in human tissue. Cytokeratin 19 is not expressed in hepatocytes; it is often co-expressed with cytokeratin 7.  |
| <b>Regulatory Status:</b>   | RUO  |
| <b>Immunogen:</b>           | MCF-7 human breast adenocarcinoma cell line  |
| <b>Species Reactivity:</b>  | Human  |
| <b>Preparation:</b>         | The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.   |
| <b>Concentration:</b>       | 1 mg/ml  |
| <b>Storage Buffer:</b>      | Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4  |
| <b>Storage / Stability:</b> | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.  |
| <b>Usage:</b>               | The reagent is designed for Flow Cytometry analysis.   |
| <b>Expiration:</b>          | See vial label   |
| <b>Lot Number:</b>          | See vial label   |
| <b>Background:</b>          | Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families.  |
| <b>References:</b>          | *Karsten U, Papsdorf G, Roloff G, Stolley P, Abel H, Walther I, Weiss H: Monoclonal anti-cytokeratin antibody from a hybridoma clone generated by electrofusion. <i>Eur J Cancer Clin Oncol.</i> 1985 Jun;21(6):733-40.<br>*Kasper M, Moll R, Stosiek P, Karsten U: Patterns of cytokeratin and vimentin expression in the human eye. <i>Histochemistry.</i> 1988;89(4):369-77.<br>*Bártek J, Bártková J, Taylor-Papadimitriou J, Rejthar A, Kovarik J, Lukás Z, Vojtšek B: Differential expression of keratin 19 in normal human epithelial tissues revealed by monospecific monoclonal antibodies. <i>Histochem J.</i> 1986 Oct;18(10):565-75. |

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