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## Biotin Mouse Anti-Human Cytokeratin 18 Monoclonal Antibody

**CLX117B**

**Lot:**

**Size:** 0.1 mg

**Clone:** DA-7

**Isotype:** Mouse IgG1

**Specificity:** The antibody DA-7 reacts with Cytokeratin 18 (45 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.

**Immunogen:** Human breast carcinoma cell line PMC-42.

**Species Reactivity:** Human

**Negative Species:** Porcine, Mouse, Rat, Hamster, Bovine, Canine (Dog), Sheep

**Preparation:** The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.

**Concentration:** 1 mg/ml

**Storage Buffer:** Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

**Storage / Stability:** Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Usage:** The reagent is designed for Immunocytochemistry. Suggested working dilution is 1:500. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.

**Background:** **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. **Cytokeratins 18** belongs to type I family (acidic cytokeratins).

*Continued...*

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**References:**

\*Taylor-Papadimitriou J, Stampfer M, Bartek J, Lewis A, Boshell M, Lane EB, Leigh I.M.: Keratin expression in human mammary epithelial cells cultured from normal and malignant tissue: relation to in vivo phenotypes and influence of medium. J Cell Sci. 1989 Nov;94 ( Pt 3):403-13.

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*This product is made available in collaboration with Exbio Praha, a.s.*

**Laboratory Reagent For Research Use Only**