

A4-106-C025

Monoclonal Antibody to Cytokeratin 18 Alexa Fluor® 488 conjugated (0.025 mg)

Clone:	C-04
Isotype:	Mouse IgG1
Specificity:	The antibody C-04 reacts with Cytokeratin 18 (45 kDa), a member of intermediate filaments subfamily represented in epithelial tissues.
Regulatory Status:	RUO
Immunogen:	Cytoskeleton preparation of epidermal carcinoma cell line A431.
Species Reactivity:	Mammalian
Preparation:	The purified antibody is conjugated with Alexa Fluor® 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration:	0.1 mg/ml
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	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.
Usage:	The reagent is intended for Flow Cytometry analysis.
Expiration:	See vial label
Lot Number:	See vial label
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).

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**Antibodies****References:**

- *Taylor-Papadimitriou J, Stampfer M, Bartek J, Lewis A, Boshell M, Lane EB, Leigh IM: 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.
- *Kovarik J. et al., *J. Tumor Marker Oncol.* 5, 219 (1990).
- *Cap J, Cerman J, Nemecek S, Marekova M, Hana V, Frysak Z: The influence of treatment with somatostatin analogues on morphology, proliferative and apoptotic activity in GH-secreting pituitary adenomas. *J Clin Neurosci.* 2003 Jul;10(4):444-8.
- *Lauerova L, Kovarik J, Bartek J, Rejthar A, Vojtesek B: Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule. *Hybridoma.* 1988 Oct;7(5):495-504.
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- *Vojtesek B, Staskova Z, Nenutil R, Lauerova L, Kovarik J, Rejthar A, Bartkova J, Bartek J: Monoclonal antibodies recognizing different epitopes of cytokeratin No.18. *Folia Biol (Praha).* 1989;35(6):373-82.
- *Bartek J, Vojtesek B, Staskova Z, Bartkova J, Kerekes Z, Rejthar A, Kovarik J: A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. *J Pathol.* 1991 Jul;164(3):215-24.

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EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic
Tel: +420 261 090 666 | Fax: +420 261 090 660 | orders@exbio.cz | www.exbio.cz