



A4-108-C100

## Monoclonal Antibody to Cytokeratin (Pan-reactive) Alexa Fluor® 488 conjugated (0.1 mg)

<b>Clone:</b>	C-11
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody C-11 reacts with Cytokeratin peptides 4, 5, 6, 8, 10, 13, 18. Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
<b>Immunogen:</b>	Keratin-enriched preparation from human epidermoid carcinoma cell line A431.
<b>Species Reactivity:</b>	Mammalian
<b>Preparation:</b>	The purified antibody is conjugated with Alexa Fluor 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Concentration:</b>	0.1 mg/ml
<b>Storage Buffer:</b>	The reagent is provided in phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.
<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. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.
<b>Usage:</b>	The reagent is designed for Flow Cytometry analysis. Suggested working dilution is 10 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
<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>	*Kovarik J, Rejthar A, Lauerova L, Vojtesek B, Bartkova J: Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread. <i>Int J Cancer Suppl.</i> 1988;3:50-5. *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. <i>J Pathol.</i> 1991 Jul;164(3):215-24. *Hamakawa H, Sumida T, Tanioka H, Sogawa K, Yamada T: Extraction of cytokeratin from the human submandibular gland and its electrophoretic analysis. <i>Res Commun Mol Pathol Pharmacol.</i> 1998 Aug;101(2):115-26. *Broekema M, Harmsen MC, Koerts JA, Petersen AH, van Luyn MJ, Navis G, Popa ER: Determinants of tubular bone marrow-derived cell engraftment after renal ischemia/reperfusion in rats. <i>Kidney Int.</i> 2005 Dec;68(6):2572-81.

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**Antibodies**

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