



11-108-C025

## Monoclonal Antibody to Cytokeratin (Pan-reactive) Purified Antibody (0.025 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>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Keratin-enriched preparation from human epidermoid carcinoma cell line A431.
<b>Species Reactivity:</b>	Mammalian
<b>Application:</b>	Western Blotting Flow Cytometry Recommended dilution: 0.5 µg/ml Immunoprecipitation Immunohistochemistry (paraffin sections) Immunocytochemistry
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified by protein-A affinity chromatography
<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 at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<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.

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**Antibodies**

- References:**
- \*Kovarik J, Rejthar A, Lauerova L, Vojtesek B, Bartkova J: Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread. *Int J Cancer Suppl.* 1988;3:50-5.
  - \*Vojtesek B, Stasková Z, Nenutil R, Lauerová L, Kovarik J, Rejthar A, Bártková J, Bártek 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.
  - \*Hamakawa H, Sumida T, Tanioka H, Sogawa K, Yamada T: Extraction of cytokeratin from the human submandibular gland and its electrophoretic analysis. *Res Commun Mol Pathol Pharmacol.* 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. *Kidney Int.* 2005 Dec;68(6):2572-81.

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