



11-101-C025

## Monoclonal Antibody to Cytokeratin 5+18 Purified Antibody (0.025 mg)

<b>Clone:</b>	C-50
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody C-50 reacts with Cytokeratin peptides 5 and 18 (58 and 45 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Cytoskeleton preparation from HeLa cells.
<b>Species Reactivity:</b>	Human, Porcine, Mouse, Rat, Hamster, Bovine, Canine (Dog), Sheep
<b>Negative Species:</b>	Chicken, Xenopus, Other not tested
<b>Application:</b>	Immunohistochemistry (paraffin sections) Recommended dilution:10 µg/ml Positive control:Human prostate Immunoprecipitation Western Blotting 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.
<b>References:</b>	*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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