

11-109-C025

## Monoclonal Antibody to Cytokeratin 7+17 Purified Antibody (0.025 mg)

<b>Clone:</b>	C-46
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody C-46 reacts with Cytokeratin peptides 7 and 17 (54 and 46 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Cytoskeleton preparation of HeLa human cervix carcinoma cell line.
<b>Species Reactivity:</b>	Human, Porcine, Bovine
<b>Negative Species:</b>	Mouse, Rat, Rabbit
<b>Application:</b>	Immunoprecipitation Western Blotting Recommended dilution: 1 µg/ml Positive control: HeLa human cell line Sample preparation: Lysis 1% lauryl maltoside for 1 hour, 5x10 sec. sonication; 5 min. in hot Laemmli buffer (reducing conditions.) Immunohistochemistry (paraffin sections) Recommended dilution: 20 µg/ml Pretreatment: 0,1% pepsin, 30 min, 37°C Incubation: 4°C overnight Positive tissue: pancreas Application note: chromogen DAB 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>	*Vojtesek B, Staskova Z, Nenutil R, Bartkova J, Kovarik J, Rejthar A, Bartek J: A panel of monoclonal antibodies to keratin no. 7: characterization and value in tumor diagnosis. Neoplasma. 1990;37(3):333-42.

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