

DM182P**Monoclonal Antibody to Cytokeratin 5 + 18 - Purified**

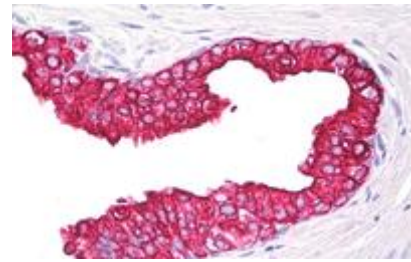
Alternate names:	58 kDa Cytokeratin, CK5, Cytokeratin-5, K5, KRT5, Keratin 5, Keratin type II cytoskeletal 5, Keratin-5
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues. Cytokeratins are a subfamily of 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.
Uniprot ID:	P13647
NCBI:	NP_000415
GeneID:	3852
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	C-50
Immunogen:	Cytoskeleton preparation from HeLa cells
Format:	State: Liquid purified IgG fraction (> 95% by SDS-PAGE) Purification: Protein-A Affinity Chromatography Buffer System: PBS, pH~7.4 with 15 mM Sodium Azide
Applications:	Western blot. Immunoprecipitation. Immunocytochemistry. Immunohistochemistry on Paraffin sections: 10 µg/ml. <i>Positive control:</i> Human prostate. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody C-50 reacts with Cytokeratin peptides 5 and 18 (58 and 45 kDa). Positive Species: Human, Porcine, Mouse, Rat, Hamster, Bovine, Sheep, Canine. Negative Species: Chicken, Xenopus. Other not tested
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Bártek J, Vojtšek B, Stasková Z, Bártková J, Kerekés Z, Rejthar A, et al. A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. *J Pathol.* 1991 Jul;164(3):215-24. PubMed PMID: 1716305.

Pictures:

Immunohistochemistry staining of human prostate (paraffin section) using anti-cytokeratin 5+18 (clone C-50).



Western Blotting analysis of whole cell lysate of MCF-7 human breast adenocarcinoma cell line. Lane 1: MW standard. Lane 2: Immunostaining with anti-Cytokeratin 5+18 (C-50). Lane 3: Immunostaining with Isotype mouse IgG1 control (PPV-06)

