

Monoclonal Antibody to pan Cytokeratin - Purified

Catalog No.:	BM5001
Quantity:	0.2 mg
Concentration:	1 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N, SM10P (for use in human samples), SM20P (for use in rat samples)
Clone:	AE1+AE3
Immunogen:	Human epidermal keratin
Format:	State: Affinity chromatography purified antibody containing 0.09% sodium azide
Applications:	Immunohistochemistry on frozen and paraffin embedded sections and cytological material: dilute 1/100 - 1/200 in PBS, pH 7.4. Incubation time: 2h at 37°C (or overnight at 2-8°C). With paraffin-embedded sections, protease pretreatment is recommended prior to antibody application. Western blotting. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	AE1/AE3 represents an excellent marker for distinguishing carcinomas from non-epithelial tumors; reacts with all epithelium-derived tumors and their neoplasm. Decorates the majority of type I and neoplasms. Decorates the majority of type I and type II cytokeratins. Polypeptides reacting: Mr 40 000, Mr 48 000 and Mr 50 000 polypeptides of human epithelial proteins (cytokeratins nos. 19, 16, 14) and most other acidic (type I) cytokeratins (AE1); most basic (type II) cytokeratins (Mr 52 500 - 68 000) of human epithelial (AE3). Species: human, rabbit, mouse, rat, bovine, chicken, monkey and guinea pig. Other species not tested.
Storage:	Store the antibody at 2-8°C. Shelf life: one year from despatch.
General Readings:	Battifora, H. et al. Cancer 54, 843-848 (1984) Eichner, R., et al. J. Cell Biol. 98, 1388-1396 (1984) Garin-Chesa, P. et al. Am J. Surg. Pathol. 10, 829-835 (1986) Nelson, W. G. et al. Cancer Res. 44, 1600-1603 (1984) Nelson, W.G. et al. J. Cell Biol. 97, 244-251 (1983) Moll, R., et al. Cell 31, 11-24 (1982) Shi, S. R. et al. Am J. Pathol. 117, 53-63 (1984) Spagnolo, D. V. et al. Am. J. Clin. Pathol. 84, 697-704 (1985) Sun, T. T. et al. The Cancer Cell 1, 169-176 (1984) Sun, T. T. et al. J. Invest. Dermatol. 81, 109-115 (1983)

Sun, T. T. et al. The New York Acad. Sci. (E. Wang et al. eds.) 455, 307-329 (1985)
Tseng, S. C. G. et al. Cell 30, 361-372 (1982)
Woodcock-Mitchell, J. et al. J. Cell Biol. 95, 580-588 (1982)
Weiss, R. A. et al. J. Cell Biol. 98, 1397-1406 (1984)