

Epithelial Keratin Type II, clone AE-3 Monoclonal Antibody

Catalog No.: MON3038

Quantity: 250 µg

Specificity

This antibody has shown to recognize most of the basic (type II) keratins. Each epithelium contains at least one basic keratin. In this way AE-3 is broadly reactive with almost all epithelial and there neoplasms. This antibody together with AE-1 has been used for studying the immuno-localization of epidermal keratins, tissue distribution and epithelia development. AE-1 and AE-3 have also been used extensively, individually or mixed, for distinguishing carcinoma from non-carcinoma. The antibody is cross-reactive with keratins of rabbit, mouse, rat, and bovine and chicken. Within immunoblots AE-1 detects distinct MW's of 52 kD, 54 kD, 56 kD, 58 kD, 59 kD, 64 kD, and 65-67 kD with all Ip's lower then 6.0. These MW's are believed to correspond with respectively keratin 8, 7, 6, 5, 4, 3 and 1 & 2.

Immunoglobulin type

Murine IgG

Use

In unfixed frozen sections and formalin-fixed paraffin embedded tissues. Also applicable in Western blotting.

Instructions for use

For use on formalin-fixed paraffin embedded tissues a dilution of approximately 1:150 to 1:200 is appropriate if section is incubated for 30 min. at 37°C. Possibly, higher dilutions can be used if sections are incubated at 4°C overnight. For use in Western blotting a dilution of 1:100 is advised.

Presentation

Each vial contains 250 µg purified IgG with 0.1% sodium azide.

Literature

- Woodcock-Mitchell, J., et al., 1982, J. Cell Biol. 95, 580-588.
- Tseng, S.C.G., et al., 1982, Cell 30, 361-372.
- Sun, T.-T., et al., 1983, J. Invest. Dermatol. 81, 109s-115s.
- Eichner, R., et al., 1984, J. Cell Biol. 98, 1388-1396.
- Sun, T.-T., et al., 1984, The Cancer Cell 1, 169-176.
- Moll, R., et al., 1982, Cell 31, 11-24.
- Battifora, H., et al., 1984, Cancer 54, 843-848.
- Shi, S.-R., et al., 1984, Am. J. Clinical Pathol. 117, 53-63.
- Sun, T.-T., et al., 1985, An. NY. Acad. Sci 455, 307-329.
- Spagnolo, D.V., et al., 1985, Am. J. Clinical Pathol. 84, 697-704.
- Garin-Chesa, P., et al., 1986, Am. J. Surg. Pathol. 10, 829-835.

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