

Keratin 5 and 8, 58/52 kD, clone RCK102 Monoclonal Antibody

Catalog No.: MON3008

Quantity: 1 ml

Specificity

This monoclonal antibody reacts in immunoblots with the 58 kD and 52.2 kD cytokeratin proteins (nrs. 5 and 8 in the Moll-catalogue). Crossreactivity is observed with Keratin from most mammals. Immunogen: lung cancer cell preparation. Antigen location: cytoplasm.

Cross reactivity with keratin from most mammals.

Immunoglobulin type

Murine IgG₁

Use

This antibody, directed against cytokeratins 5 and 8, reacts with virtually all epithelial cell types and epithelial tumors. No reaction is observed in non-epithelial tissues. Therefore this monoclonal antibody can be used for the discrimination of carcinomas and non-epithelial tumors such as lymphomas, sarcomas and neural tumors. This antibody is applicable on frozen and paraffin embedded tissue sections. Embedding and formalin fixation may give antigen denaturation or masking. Therefore results on paraffin sections should be evaluated cautiously. The antibody is also useful for staining of cell lines and cytological specimens.

Instructions for use

For immunohistochemistry on frozen sections fixation with acetone for 10 sec. at -20°C is recommended. Paraffin material should be fixed with neutral formalin. For such tissue sections proteolytic pretreatment with trypsin or pronase is recommended. Working dilution: 1:5 - 1:10. Optimal dilution should be tested by serial dilutions. This antibody is also useful for Western blotting when applied undiluted although lesser amount of antibody could be sufficient therefore we recommend that each customer determines the optimal working dilution.

Presentation

1 ml culture supernatant solution in 0.15 M PBS with 1% BSA and 0.02% sodium azide.

Dilution buffer: PBS. Purification method: Affinity chromatography.

Literature

- Broekaert, D., et al., 1990, Arch-Dermatol. Res. 282, 383.
- Schaafsma, H.E., et al., 1989, Histochemistry 91, 151.
- Broers, J.L.V., et al., 1986, J. cell Science 83, 37-60.
- Broers, J.L.V., et al., 1988, Cancer research 48, 3221-3229.
- van Eyken, P., et al., 1990, Human Pathology 21, 302-308.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.



Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com