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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



Mouse anti Cytokeratin 8 / Keratin K8

Catalogue number: **MUB0352P**

Clone	35 β H11
Isotype	IgM
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse
Species reactivity	Human Zebrafish
Application	Immunoblotting Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Distributors

For Purchasing Information, please contact your local distributor

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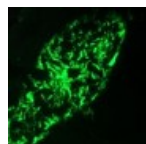
Background

Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in Human epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH between 4.9 – 7.8. The individual Human Cytokeratins are numbered 1 to 20. The various epithelia in the Human body usually express Cytokeratins which are not only characteristic of the type of epithelium, but also related to the degree of maturation or differentiation within an epithelium. Cytokeratin subtype expression patterns are used to distinguish between different types of epithelial malignancies. The Cytokeratin antibodies are not only of assistance in the differential diagnosis of tumors using immunohistochemistry on tissue sections, but are also a useful tool in cytopathology and flow cytometric assays.

Source

35 β H11 is a Mouse monoclonal IgM antibody derived by fusion of NS-1 Mouse myeloma cells with spleen cells from a Balb/c Mouse immunized with a cytoskeletal preparation of the Human hepatocellular carcinoma cell line Hep3B.

Figure 1;
Immunofluorescence staining of a 7 days old zebrafish embryo



Product

Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Applications

35βH11 is reactive on frozen tissue sections after fixation in methanol. It is particularly effective on paraffin-embedded tissues after microwave pretreatment of the slides. In addition, 35βH11 is suitable for immunocytochemistry, immunoblotting and flow cytometry. Optimal antibody dilution should be determined by titration; recommended range is 1:100 – 1:500 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:1000 for immunoblotting applications.

Specificity

35βH11 reacts exclusively with Cytokeratin 8 which is present in glandular-type epithelia and most carcinomas derived thereof. It is in general not reactive in non-epithelial tissues and cells.

Storage

Store at 4°C, or in small aliquots at -20°C.

References

1. Gown, A.M., and Vogel, A.M. (1982). Monoclonal antibodies to intermediate filament proteins of Human cells: unique and cross-reacting antibodies. *Journal of Cell Biology* 95, 414-24.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.

