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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Zuschläge

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Mouse anti Episialin

Catalogue number: **MUB0503P**

Clone	GP1.4
Isotype	IgG1
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse
Species reactivity	Human
Application	Flow cytometry Immunoblotting Immunocytochemistry Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Distributors

For Purchasing Information, please contact your local distributor

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Background

Episialin is also known as MUC1, MAM-6, CA 15-3, PEM and EMA. It is a transmembrane glycoprotein with a large mucin-like extracellular domain that matures through several intermediate forms generated by proteolysis, and sequential addition and processing of numerous O-linked glycans that are heavily sialylated. The gene encoding episialin (MUC1) is highly polymorphic and each allele encodes a product that contains a different number of repeats (between 30 and 90) leading to large differences in molecular weight of the protein. Episialin is present in several secretory epithelial cell types.

Source

GP1.4 is a Mouse monoclonal IgG1 antibody derived by fusion of Mouse myeloma cells with spleen cells from a Mouse immunized with Human milk fat globule.

Product

Each vial contains 100ul 1 mg/ml purified monoclonal antibody in PBS containing 0,09% sodium azide.

Applications

GP1.4 is suitable for immunoblotting, immunocytochemistry and immunohistochemistry on frozen and paraffin-embedded tissues, and flow cytometry. Optimal antibody dilution should be determined by titration; recommended range is 1:25 – 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:1000 for immunoblotting applications.

Specificity

GP1.4 reacts with all glycoforms of Episialin

Storage

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

References

1. Gourevitch, M. M., von Mensdorff-Pouilly, S., Litvinov, S. V., Kenemans, P., van Kamp, G. J., Verstraeten, A. A., and Hilgers, J. (1995). Polymorphic epithelial mucin (MUC-1)-containing circulating immune complexes in carcinoma patients. *Br J Cancer* 72, 934-938.
2. Norum, L. F., Varaas, T., Kierulf, B., and Nustad, K. (1998). Carcinoma-associated MUC1 detected by immunoradiometric assays. *Tumour Biol* 19, 134-146.
3. Norum, L. F., Sauren, A. M., Rye, P. D., and Nustad, K. (2001). New immunoassays for MUC1 in breast cancer, *Tumour Biol* 22, 216-22.

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.