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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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 Lactoferrin

Catalogue number: **MUB2002P**

Clone	67D9
Isotype	IgG2a
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse (Balb/c)
Species reactivity	Human Mouse
Application	Immunoblotting Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Distributors

For Purchasing Information, please contact your local distributor

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Background

Lactoferrin (LF), also known as lactotransferrin (LTF), is a multifunctional protein of the transferrin family. Lactoferrin is a globular glycoprotein with a molecular mass of about 80 kDa that is widely represented in various secretory fluids, such as milk, saliva, tears, and nasal secretions. Lactoferrin is also present in secondary granules of polymorphonuclear neutrophils (PMN) and is secreted by some acinar cells. The diagnosis and classification of Human breast carcinomas is mainly based on morphology, which has its difficulties and limitations. Specific markers for breast tumors and additional markers, to correlate with the progress of the disease, are needed. Antibodies to Human milk-fat globule (HMFG) membranes are such potential markers for breast carcinomas. HMFG membranes carry differentiation antigens of the apical site of the secretory cell which may be present also on tumor cells.

Source

67D9 is a Mouse monoclonal IgG2a antibody derived by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with milkfat globule membranes.

Product

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

Applications

67D2 is useful for western blot and immunohistochemistry on frozen and paraffin embedded sections. Optimal antibody dilution should be determined by titration.

Specificity

Monoclonal antibodies 67D2, 67D9 and 67F12 bind to the same or overlapping epitopes on an 80 Kd antigen indicated as MAM-5. On frozen as well as on formalin-fixed lactating mammary gland sections, a very strong reaction in secretion products is observed. Occasionally, preexisting ducts react in some of the mammary tumors, indicating an enhanced secretory activity in these parts of the mammary gland.

Storage

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

References

1. J. Hilkens, F. Buus, J. Hegers, Ph. Hageman², J. Calafati, A. Sonnenberg and M. Vanderval. Monoclonal Antibodies anti Human Milk-Fat Globule Membranes Detecting Differentiation Antigens Of The Mammary Gland And Its Tumors. Int J Cancer. 1984 34:197-206.

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.