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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

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Mammaglobin, polycl.

nordicmubio.com/product/mammaglobin-polycl

Catalogue number: **MAM003-0.5**

Product Type	Primary Antibodies
Units	0.5 ml
Host	Rabbit
Application	ELISA Immunohistochemistry Western Blotting

Background

Detection of mammaglobin in metastatic mamma carcinoma, differential diagnosis of metastases in sentinel lymph nodes Mammaglobin A is a breast gland associated glycoprotein, distantly related to the secretoglobin family including human Uteroglobin and Lipophilins. Unlike other secretoglobin family members Mammaglobin mRNA seems to be Mamma-specific (exception skin). Mammaglobin has been detected by immunohistochemical approach in intact breast tissue as well as in adenocarcinoma. It seems to be up-regulated in cancer tissues. The monoclonal antibody is suitable for the detection of occult mamma carcinoma cells in sentinel lymph nodes and in peripheral blood. The overall sensitivity of mammaglobin detection on paraffin sections of mamma carcinoma was reported to be >80% (Fanger et al. 2002; Han et al. 2003). 10 KDa Mammaglobin from human breast tissue, no cross-reactivity with mammaglobin B, lipophilin and uteroglobin.

Source

Immunogen: C-terminal 16 aa peptide sequence of human mammaglobin coupled to KLH as a carrier protein

Product

Affinity purified antibody in stabilized phosphate buffer, containing 0.09 % sodium azide**. The volume is sufficient for app. 250 immunohistochemical tests (100 µl working solution per test). For dilution we recommend our antibody diluent Art. No. PU002.

Purification Method: Affinity purified antibody in stabilized phosphate buffer, containing 0.09 % sodium azide**. The volume is sufficient for app. 250 immunohistochemical tests (100 µl working solution per test). For dilution we recommend our antibody diluent Art. No. PU002.

Concentration: 50 µg/ml

Secondary Reagents: BioLogo Universal Staining Kits Art.-No. DA005 (AE005).

Specificity

Species Reactivity: Human, others not tested

Applications

IHC, ELISA , WB

Incubation Time: 60 min at RT

Working Concentration: (liquid conc.) 1:50

Pre-Treatment: Formalin-fixed tissue may be pre-treated for 30 min at 100°C with Unmasking Solution C (Citrate buffer Art. No. DE000), E (buffered EDTA Art. No. DE006) or G (Glycol based solution Art. No. DE007) preferably in a pressure cooker.

Positive Control: Mamma carcinoma (normal mamma shows up lower expression of the protein), skin sweat glands

Storage

2-8°C

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. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.

References

1. Watson MA, Dintzis S, Darrow CM, Voss LE, DiPersio J, Jensen R, Fleming TP. Mammaglobin expression in primary, metastatic, and occult breast cancer. *Cancer Res.* 1999 Jul 1;59(13):3028-31.
2. Fanger GR, Houghton RL, Retter MW, Hendrickson RC, Babcook J, Dillon DC, Durham MD, Reynolds LD, Johnson JC, Carter D, Fleming TP, Roche PC, Persing DH, Reed SG. Detection of mammaglobin in the sera of patients with breast cancer. *Tumour Biol.* 2002 Jul-Aug;23(4):212-21.
3. Han JH, Kang Y, Shin HC, Kim HS, Kang YM, Kim YB, Oh SY. Mammaglobin expression in lymph nodes is an important marker of metastatic breast carcinoma. *Arch Pathol Lab Med.* 2003

Oct;127(10):1330-4. 4. Gillanders WE, Mikhitarian K, Hebert R, et al. Molecular detection of micrometastatic breast cancer in histopathology-negative axillary lymph nodes correlates with traditional predictors of prognosis: an interim analysis of a prospective multi-institutional cohort study. *Ann Surg.* 2004 Jun;239(6):828-37; discussion 837-40. 5. Sjödin A., et al. Mammaglobin in normal human sweat glands and human sweat gland tumors. *Journal of Investigative Dermatology* (2003) 121(2): 428-429.

Safety Datasheet(s) for this product:

NM_Sodium Azide

[/wp-content/uploads/SDS/Antibody SDS with Sodium Azide Noridic-MUbio.pdf](#)