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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HEA125, Epithelium-specific Glycoprotein, Egp34, EpCAM (CD326)

nordicmubio.com/product/hea125-epithelium-specific-glycoprotein-egp34-epcam-cd326

Catalogue number: **HE100**

Clone	HEA125
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Flow Cytometry Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Background

The antibody HEA 125 reacts intensely with all carcinoma derived from the intestinal tract, stomach, pancreas, liver, lung, breast, ovary, thyroid gland, kidney, bladder, prostate and metastases thereof. Stratified squamous epithelia usually stain less intensely than adenocarcinoma. The antibody is suitable for differentiation between carcinoma and non-carcinoma. Keratinizing areas of a tumour mass usually remain unstained as sarcoma, lymphoma, melanoma and neurogenic tumours do. Epithelial cells express a number of characteristic proteins and glycoproteins like cytokeratins, epithelial membrane antigen and epithelium-specific glycoprotein Egp34 (HEA125). The monoclonal antibody HEA125 which has been derived from immunisation of mice with a colon carcinoma cell line shows a broad reactivity pattern. It is labelling most human epithelial cells and epithelium derived tumours. It doesn't react with epidermal keratinocytes, parietal cells, hepatocytes, thymus cortical epithelium, myoepithelia, and non-epithelial tissues. 34 kDa Epithelium-specific membrane glycoprotein HEA 125.

Source

Immunogen: Living human colon carcinoma cell line HT-29

Product

Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium

azide**. The volume is sufficient for at least 100 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art .No. PU002.

Purification Method: Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide**. The volume is sufficient for at least 100 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art .No. PU002.

Concentration: 50 µg/ml

Secondary Reagents: We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art.-No. AE005).

Specificity

Species Reactivity: Human

Applications

IHC(C, P), FACS

Incubation Time: 60 min at RT

Working Concentration: (liquid conc.) 1:10-1:50

Pre-Treatment: Pre-treatment with pronase 0.1% or unmasking fluid C (Art. No. DE000)

Positive Control: Appendix

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. Moldenhauer G., Momburg F., Möller P., Schwartz, and Hämmerling G.J. (1987) Epithelium-specific surface glycoprotein of Mr 34,000 is a widely distributed human carcinoma marker. Br. J. Cancer 56; 714-721.
2. Momburg F., Moldenhauer G., Hämmerling G.J., and Möller F. (1987) Immunohistochemical study of the expression of a Mr 34,000 human epithelium-specific surface glycoprotein in normal and

malignant tissues. Cancer Research 47; 2883-2891. 3. Simon B., Podolsky, D.K., Moldenhauer G., Isselbacher K.J., Gattoni-Celli, S., and Brand S.J. (1990) Epithelial glykoprotein is a member of a family of epithelial cell surface antigens homologous to nidogen, a matrix adhesion protein. Proc. Natl., Acad. Sci. USA 87; 2755 ff. 4. Kemmner W., Moldenhauer G., Schlag P., and Brossmer R. (1992) Separation of tumor cells from a suspension of dissociated human colorectal carcinoma tissue by means of monoclonal antibody-coated magnetic beads. J. Immunol. Methods 147; 197-200. 5. Winter, M. J. et al. (2003) The epithelial cell adhesion molecule (Ep - CAM) as a morphoregulatory molecule is a tool in surgical pathology. Am. J. Pathol. 163 : 2139 - 2148.

Protein Reference(s)

Database Name: UniProt

Accession number: P16422 (EPCAM_HUMAN)

Species Accession: Human

Safety Datasheet(s) for this product:

NM_Sodium Azide

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