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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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N-CAM, Neuronal Cell Adhesion Molecule, CD56

nordicmubio.com/product/n-cam-neuronal-cell-adhesion-molecule-cd56

Catalogue number: **NC100**

Clone	RNL-1
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Electron microscopy Immunohistochemistry (frozen)

Background

Antibody RNL-1 shows heavy N-CAM expression on cells of the small cell lung carcinoma (SCLC), neuroblastoma, nerves, Leydig-cells, thyroid epithelia and parafollikular cells, pancreas islet cells, adrenal cortex and medulla, and hypophysis. Little differentiated squamous lung tumours may be RNL-1 positive, while adenocarcinoma of the lung are negative. The antibody may be used for differentiating the types of lung tumours. N-CAM is an antigen, that is characteristic of cells of neuroectodermal origin. In the blood it is mainly found on NK-cells (CD56). It is a heavily glycosylated trans-membrane protein. On the 3. International Workshop for Lung tumours and Differentiation antigens (Zürich 1993) N-CAM was assigned to cluster 1 antigens of lung carcinoma (typical for SCLC). Extracellular domain of the N-CAM molecule (200, 100 and 25-27 kDa proteins of NCI-H82 SCLC cell line in western blot).

Source

Immunogen: NCI-H82 cell preparation

Product

Cell culture supernatant containing 0.09% sodium azide as preservative

Purification Method: Cell culture supernatant containing 0.09% sodium azide as preservative

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), suitability for paraffin sections not established. Glutaraldehyde fixation for EM has been used successfully (Broers et al. 1991).

Incubation Time: 60 min at RT

Working Concentration: (liquid conc.) 1:10-1:25

Positive Control: Pancreas islets or adrenal medulla

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. Broers V.J.L., Mijnheere E.P., Rot M.K., Schaart G. Sijlmans A., Boerman O.C., and Raaemaekers F.C.S. (1991) Novel antigens characteristic of neuroendocrine malignancies. *Cancer* 67,3; 619-633.
2. Boerman O.C., Mijnheere E.P., Broers J.L.V., Vooijs G.P., and Ramaekers F.C.S. (1991) Biodistribution of a monoclonal antibody (RNL-1) against the neural cell adhesion molecule (NCAM) in athymic mice bearing human small-cell lung-cancer xenografts. *Int. J. Cancer* 48; 457-462.
3. Stahel R.A., Gilks W.R., Schenker Th., and Gerardy-Schahn R. (1995) NK3.1 Third International Workshop on Lung Tumour and Differentiation Antigens: summary and report on NCAM studies. In: *Leucocyte Typing V*. Schlossman S.F. et al. eds. Oxford University Press, Oxford, N.Y. Tokyo.

Safety Datasheet(s) for this product:

NM_Sodium Azide

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