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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Mouse anti NCAM (CD56)

Catalogue number: **MUB1321P**

Clone	NKI-nbl-1
Isotype	IgG1
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse (Balb/c)
Species reactivity	Human
Application	Immunofluorescence Immunohistochemistry (frozen) Immunoprecipitation

Distributors

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Background

NCAM, as a member of the immunoglobulin superfamily of adhesion molecules is characterized by several immunoglobulin (Ig)-like domains. The extracellular part of NCAM consists of five of these Ig domains and two fibronectin type III homology regions. NCAM is encoded by a single copy gene composed of 26 exons. However, at least 20-30 distinct isoforms can be generated by alternative splicing and by posttranslational modifications, such as sialylation. During sialylation, polysialic acid (PSA) carbohydrates are attached to the extracellular part of NCAM. Through its extracellular region, NCAM mediates homophilic interactions. In addition, NCAM can also undergo heterophilic interactions by binding extracellular matrix components, such as laminin, or other cell adhesion molecules, such as integrins.

Source

NKI-NBI-1 is a Mouse monoclonal IgG1 antibody derived by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with neuroblastoma cell line CHP-212.

Product

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

Applications

NKI-nbl-1 is useful for immunofluorescence, immunoprecipitation and immunohistochemistry on frozen tissues. Optimal antibody dilution should be determined by titration.

Specificity

Different antibodies recognize a heterodimeric glycoprotein of 145,

185 kD which has been identified as NCAM (Neural Cell Adhesion Module). Two major epitopes have been defined, NKI-nbl-1 (art. nr. MUB1321S and MUB1321P) reacts with epitope 1 and 123C3 (art. nr. MUB1301S and MUB1301P) reacts with epitope 2.

Storage

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

References

1. K. Moolenaar et al. (1990). Cancer Research 50, 1102-1106.

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.