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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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Mouse anti Neu-Oncogen (C-erb B2)

 nordicmubio.com/products/mouse-anti-neu-oncogen-c-erb-b2/MUB1320P-CE_slash_IVD

Catalog number: **MUB1320P-CE/IVD**

Clone	9G6
Isotype	IgG1
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse (Balb/c)
Species Reactivity	Human
Application	Electron microscopy Flow Cytometry Immunofluorescence Immunohistochemistry (frozen) Immunohistochemistry (paraffin) Immunoprecipitation Western Blotting

Background

C-erbB-2 (erythroblastosis oncogene B), also known as HER2 (Human Epidermal Growth Factor Receptor 2), or Neu, CD340 and p185 is a protein that in humans is encoded by the ERBB2 gene. Amplification or overexpression of this gene has been shown to play an important role in the pathogenesis and progression of certain aggressive types of breast cancer, as well as many other epithelial malignancies and brain tumors. In recent years it has become an important biomarker and target of therapy for disease. ERBB2 is a known proto-oncogene located at the long arm of Human chromosome 17 (17q21-q22). The oncogene was found to code for EGFR. Gene cloning showed that HER2, Neu and ErbB-2 are all encoded by the same gene. The ErbB family is composed of plasma membrane-bound receptor tyrosine kinases, that contain an extracellular ligand binding domain, a transmembrane domain and an intracellular domain that can interact with a multitude of signaling molecules. HER2 can heterodimerise with any of the other three receptors and

is considered to be the preferred dimerisation partner of the other ErbB receptors. Dimerisation results in the autophosphorylation of tyrosine residues within the cytoplasmic domain of the receptors and initiates a variety of signaling pathways.

Source

9G6 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 a synthetic peptide from the C-terminus of Human c-erbB-2/c-neu protein.

Product

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

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

Specificity

9G6 Immunoprecipitates a 180 kDa c-neu protein and has been reported to stain formalin-fixed paraffin-embedded tissue sections of Human breast carcinomas overexpressing the c-neu protein. This antibody reacts with a cell surface epitope of c-neu but does not cross-react with the EGF receptor.

Applications

9G6 is useful for immunofluorescence, flow cytometry, immunoprecipitation, western blotting, electron microscopy and immunohistochemistry on frozen and paraffin embedded tissues. Optimal antibody dilution should be determined by titration.

Storage

The antibody is shipped at ambient temperature and may be stored at +4°C. For prolonged storage prepare appropriate aliquots and store at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.

Caution

When used for in vitro diagnostic purposes results must be put within the context of other diagnostic tests as well as the clinical history of the patient by a certified professional before final interpretation. Analyses performed with this antibody should be paralleled by positive and negative controls. If unexpected results are obtained which cannot be attributed to differences in laboratory procedures, please contact us. This product 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 Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.

References

1. Van de Vijver, M.J. Peterse, J.L. Mooi, W.J. Wisman, P. Lomans, J. Dalesio, O. and Nusse, R. (1988). Neu-protein overexpression in breast cancer. Association with comedo-type ductal carcinoma in situ and limited prognostic value in stage II breast cancer. N Engl J Med. 319, 1239-45.

CE Mark

CE

Safety Datasheet(s) for this product:

NM_Sodium Azide