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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Recombinant rabbit anti vimentin

nordicmubio.com/product/recombinant-rabbit-anti-vimentin

Catalogue number: **MUB1904P**

Clone	RV205
Isotype	IgG
Product Type	Monoclonal Antibody
Units	0.1 mg
Host	Rabbit
Species reactivity	Human Mouse
Application	Immunoblotting Immunocytochemistry Immunohistochemistry (frozen & paraffin)

Background

Vimentin (57 kDa) is the intermediate filament protein (IFP) of mesenchymal cells. This IFP however often deviates from the tissue-specific and developmentally regulated pattern of expression. Besides its typical expression in most cultured cells, vimentin is also expressed together with several other IFPs during early stages of development. As differentiation proceeds, vimentin is exchanged for the tissue-specific intermediate filament type. Also in cancers, vimentin is often expressed in addition to the tissue-specific IFP.

Source

MUB1904P (clone RV205) is a recombinant rabbit anti vimentin monoclonal antibody produced in mammalian HEK293 cells.

Clone RV205 is a reformatted antibody (species switch), produced by cloning the antibody sequence of the mouse anti vimentin hybridoma RV202 (MUB1900P), which was derived by fusion of SP2/0-Ag14 mouse myeloma cells with spleen cells from a BALB/c mouse immunized with a cytoskeletal vimentin extract of calf lens.

Product

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

The purity of the antibody is >98% as determined by SDS-Polyacrylamide gel electrophoresis.

The endotoxin level is < 1EU/mg as determined by the LAL chromogenic endotoxin assay.

Specificity

Human and mouse vimentin

Species Reactivity: MUB1904P (clone RV205) reacts exclusively with vimentin, which is expressed in mesenchymal cells and mesenchymal derived tumors e.g. lymphoma, sarcoma and melanoma. When applied to either frozen or paraffin sections of human tissues the antibody reacted with the appropriate tissues and cells, such as endothelia, vessels, stellate cells, glomerular podocytes, nerves, vessels, myoepithelial cells, adipocytes, endometrial glands, and Sertoli cells, with no staining in epithelial cells.

Applications

MUB1904P (clone RV205) is suitable for immunoblotting, immunocytochemistry, and immunohistochemistry on frozen and paraffin-embedd tissue sections. Optimal antibody dilution should be determined by titration; recommended range is 1:100 – 1:200 for immunohistochemistry with fluorochrome conjugated secondary antibodies or with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:1000 for immunoblotting applications.

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.

Shipping Conditions: At ambient temperature

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.

Safety Datasheet(s) for this product:

NM_Sodium Azide

</wp-content/uploads/SDS/Antibody SDS with Sodium Azide Noridic-MUbio.pdf>