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## Product Datasheet

### Mouse anti Smoothelin, IgG1, Clone: [R4A], Monoclonal NMB-MUB1700P

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Mouse anti Smoothelin, IgG1, Clone: [R4A], Monoclonal                                                                                                                                                                                                         |
| Biozol Catalog Number      | NMB-MUB1700P                                                                                                                                                                                                                                                  |
| Supplier Catalog Number    | MUB1700P                                                                                                                                                                                                                                                      |
| Alternative Catalog Number | NMB-MUB1700P                                                                                                                                                                                                                                                  |
| Manufacturer               | NordicMubio                                                                                                                                                                                                                                                   |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | ICC, IHC-Fr, IHC-P, WB                                                                                                                                                                                                                                        |
| Species Reactivity         | Canine, Feline, Gallus, Human, Monkey, Porcine                                                                                                                                                                                                                |
| Product Description        | Smoothelin is a constituent of the smooth muscle cell (SMC) cytoskeleton. Antibodies directed to smoothelin are useful tools to monitor SMC differentiation. Smoothelin is exclusively expressed in fully differentiated (contractile) SMCs. RNA and prote... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Clone Designation          | [R4A]                                                                                                                                                                                                                                                         |
| Isotype                    | IgG1                                                                                                                                                                                                                                                          |
| UniProt                    | <a href="#">P53814</a>                                                                                                                                                                                                                                        |
| Buffer                     | Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.                                                                                                                                                          |

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| Source            | R4A is a mouse monoclonal IgG1 antibody derived by fusion of SP2/0-Ag14 mouse myeloma cells with spleen cells from a BALB/c mouse immunized with a cytoskeletal extract of chicken gizzard.                                                                                                                                                                                                                                                                                                                                                                           |
| Application Notes | R4A is suitable for immunoblotting, immunocytochemistry on permeabilised cells, and immunohistochemistry on frozen and paraffin-embedded tissues. For staining paraffin-embedded tissues pretreatment in 10 mM citRate buffer (pH 6.0) and heating for 3 times 5 minutes in a microwave is required. Optimal antibody dilution should be determined by titration, recommended range is 1:100 - 1:200 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications. |