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Product Datasheet

Mouse anti E-Cadherin / Cadherin-1, IgG1, Clone: [5H9], Monoclonal NMB-MUB0301P

Article Name	Mouse anti E-Cadherin / Cadherin-1, IgG1, Clone: [5H9], Monoclonal
Biozol Catalog Number	NMB-MUB0301P
Supplier Catalog Number	MUB0301P
Alternative Catalog Number	NMB-MUB0301P
Manufacturer	NordicMubio
Host	Mouse
Category	Antikörper
Application	ICC, IHC-Fr, IHC-P, WB
Species Reactivity	Human
Product Description	Cadherins constitute a family of transmembrane glycoproteins involved in Ca ²⁺ -dependent cell-cell interactions. The members of this family are differentially expressed in various tissues. They function in the maintenance of tissue integrity and morph...
Clonality	Monoclonal
Clone Designation	[5H9]
Isotype	IgG1
UniProt	P12830
Buffer	Each vial contains 100 ul of 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Source	5H9 is a Mouse monoclonal IgG1 antibody obtained by fusion of P3-X63-Ag 8,653 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with affinity purified 80 kD extracellular fragments of E-cadherin derived from tryptic digestion of A-431 Hu
Formula	Each vial contains 100 ul of 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Application Notes	5H9 is suitable for immunoblotting, immunocytochemistry and immunohistochemistry on frozen and paraffin embedded tissues. For frozen tissues we recommend fixation with 1% formaldehyde in PBS buffer containing 0.1 mM CaCl₂ and 0.1 mM MgCl₂ for 10 minutes at room temperature, followed by a permeabilization step with 0.2% Triton X-100 in the same buffer for 5 minutes . For paraffin embedded tissues use a pretreatment step of 15 minutes incubation in TRIS-EDTA buffer pH 9 in a microwave. Optimal antibody dilution should be determined by titration, recommended range is 1:50 - 1:100 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:500 for immunoblotting applications.