

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Mouse anti actin alpha-smooth muscle, IgG2a, Clone: [1A4], Monoclonal NMB-MUB0100P

Article Name	Mouse anti actin alpha-smooth muscle, IgG2a, Clone: [1A4], Monoclonal
Biozol Catalog Number	NMB-MUB0100P
Supplier Catalog Number	MUB0100P
Alternative Catalog Number	NMB-MUB0100P
Manufacturer	NordicMubio
Host	Mouse
Category	Antikörper
Application	EM, ICC, IHC-Fr, IHC-P, WB
Species Reactivity	Aves, Gallus, Goat, Human, Monkey, Porcine, Rat, Sheep, Xenopus
Product Description	Among the six actin isoforms described in mammals, two are found in virtually all cells (beta- and gamma-cytoplasmic), two are detected in smooth muscle cells (alpha- and gamma-smooth muscle) and two are present in striated muscles, one predominantly...
Clonality	Monoclonal
Clone Designation	[1A4]
Isotype	IgG2a
UniProt	<a href="#">P62736</a>
Buffer	Each vial contains 50 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Source	alpha-SM1 (clone 1A4) is a Mouse monoclonal IgG2a antibody derived by fusion of Sp2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with a peptide comprising the first 10 amino acids of alpha-smooth muscle actin with an acetylated N-
Application Notes	alpha-SM1 is useful for immunohistochemistry on frozen and paraffin-embedded tissues, immunoblotting, immuno-electron microscopy and ELISA. Optimal antibody dilution should be determined by titration, recommended range is 1:100 - 1:250 for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:500 for immunoblotting applications.