

Monoclonal Mouse Antibody to Human Alpha-Smooth Muscle Actin

Catalog No.:	Mob 001, Mob 001-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person (s) when evaluating and interpreting results.
Immunogen:	BALB/C mice were injected with N-terminal decapeptide of alpha-smooth muscle actin.
Clone:	1A4
Isotype:	IgG2a, Kappa
Format:	This antibody is supplied as purified immunoglobulin containing sodium azide as preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Suitable for formalin fixed, paraffin embedded tissue sections.</u>
Specificity:	This antibody is specific to alpha-smooth isoform of actin. It reacts with smooth muscle cells of vessels and different parenchymes. It does not cross-react with beta and gamma-cytoplasmic, alpha-sarcomeric, and alpha-myocardial actin isoforms.
Positive Control:	Leiomyoma
Cellular Localization:	Cytoplasmic
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) Skalli et al. Am J Cell Biol 103: 2787, 1986. ii) Skalli et al. Lab Invest 60: 275, 1989. iii) Skalli et al. J Histo Chem 37: 315, 1989. iv) O'Byrne et al. Br J cancer 82: 1427, 2000.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

DBS

1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390

Website: www.dbiosys.com e-mail: customersupport@dbiosys.com