

## Monoclonal Mouse Antibody to Human Alpha-Smooth Muscle Actin

<b>Catalog No.:</b>	PDM 003
<b>Intended Use:</b>	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.
<b>Immunogen:</b>	BALB/C mice were injected with N-terminal decapeptide of alpha-smooth muscle actin.
<b>Clone:</b>	1A4
<b>Isotype:</b>	IgG2a, Kappa
<b>Format:</b>	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded and acetone fixed cryostat tissue sections. No further titration is required.
<b>Staining Protocol:</b>	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>
<b>Specificity:</b>	This antibody is specific to alpha-smooth isoform of actin. It reacts with smooth muscle cells of vessels and different parenchymes. This antibody does not cross-react with beta and gamma-cytoplasmic, alpha-sarcomeric and alpha-myocardial actin isoforms.
<b>Positive Control:</b>	Leiomyoma
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	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.

### 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](http://www.dbiosys.com) e-mail: [customersupport@dbiosys.com](mailto:customersupport@dbiosys.com)