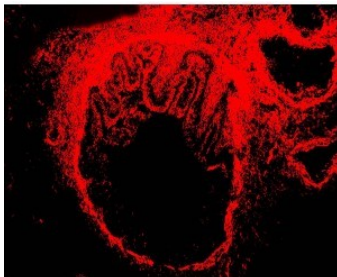


Cat. No:	MABX-80133
Conjugate:	Unconjugated
Size:	200 ug
Clone:	1A4
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG2a
Immunogen:	N-terminal synthetic decapeptide of α -smooth muscle actin.
Reactivity:	Hu, Ms, Rt
Applications:	Western blot - At 2 μ g/ml with the appropriate system to detect α -SMA in cells and tissues Immunohistochemistry(P) - At 0.1-0.5 μ g/ml to detect α -SMA in formalin fixed and paraffin embedded tissues. Immunohistochemistry(F) - At 0.3-1.2 μ g/ml to detect α -SMA in formalin or acetone fixed tissues. Other applications have not been tested. Optimal dilutions should be determined by end user.
Purification:	Purified by the goat anti-mouse IgG affinity chromatography.
Background:	Ueyama et al. (1990) assigned the ACTSA gene to chromosome 10 by Southern blot analysis of DNAs from 18 rodent-human somatic cell hybrids. Regional mapping by in situ hybridization localized the gene to 10q22-q24. Assignment of the vascular smooth muscle actin gene ACTSA to human chromosome. Smooth muscle alpha-actin gene requires two E-boxes for proper expression in vivo and is a target of class I basic helix-loop-helix proteins.
Form:	Liquid
Buffer:	Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN ₃ as preservative.
Storage:	At -20°C for one year. After reconstitution, at 4°C for three month. It can also be aliquotted and stored frozen at -20°C for longer time.



IHC(P) of Rat Cardiac Muscle Tissue
using
Anti-alpha-Smooth Muscle Actin antibody

**For Research use only
IMMUNOLOGICAL SCIENCES**