

Product Data Sheet: Actin alpha-Smooth Muscle

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

Western blot - At $2\mu g/ml$ with the appropriate system to detect α -SMA in cells and tissues Immunohistochemistry(P) - At 0.1-0.5 $\mu g/ml$ to detect α -SMA in formalin fixed and paraffin embedded tissues. Immunohistochemistry(F) - At 0.3-1.2 $\mu g/ml$ to detect

Applications: 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.

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

Background:

Buffer: Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN3 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.

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