

## M5 Actin(5A7)Mouse Monoclonal Antibody 使用说明书

产品名称	单位	货号
M5 Actin (5A7) mAb	50 $\mu$ l	MF089-T
M5 Actin (5A7) mAb	100 $\mu$ l	MF089-01
M5 Actin (5A7) mAb	200 $\mu$ l	MF089-02

### 【STORAGE】

Store at -20°C. Stable for one year from the date of shipment.

### 【BACKGROUND】

Actin, a ubiquitous protein in eukaryotes is the major component of the cytoskeleton. As one of the most highly-conserved proteins, actin differs no more than 20% in species as diverse as algae and human. It is expressed in mammals and birds as at least six isoforms characterized by electrophoresis and amino acid sequence analysis. Actin is involved in a myriad of cellular processes including locomotion, secretion, cytoplasmic streaming, phagocytosis and cytokinesis.

### 【REFERENCES】

1. Vandekerckhove J. and Weber K. (1978) At least six different actins are expressed in a higher mammal: an analysis based on the amino acid sequence of the amino-terminal tryptic peptide. J Mol Biol 126:783–802
2. Khaitlina SY (2001) Functional specificity of actin isoforms. Int Rev Cytol 202:35-98

### 【SOURCE】

This monoclonal antibody is produced by immunizing mice with human actin full-length protein.

### 【SPECIFICITY】

Actin (5A7) Mouse mAb detects endogenous level of actin protein.

### 【REACTIVITY】

Human, Monkey, Mouse, Rat, Chinese hamster, Dog, Spodoptera frugiperda

### 【ISOTYPE】

Mouse IgG2b

### 【PREDICTED MOLECULAR WEIGHT】

45 kDa

### 【IMPORTANT】

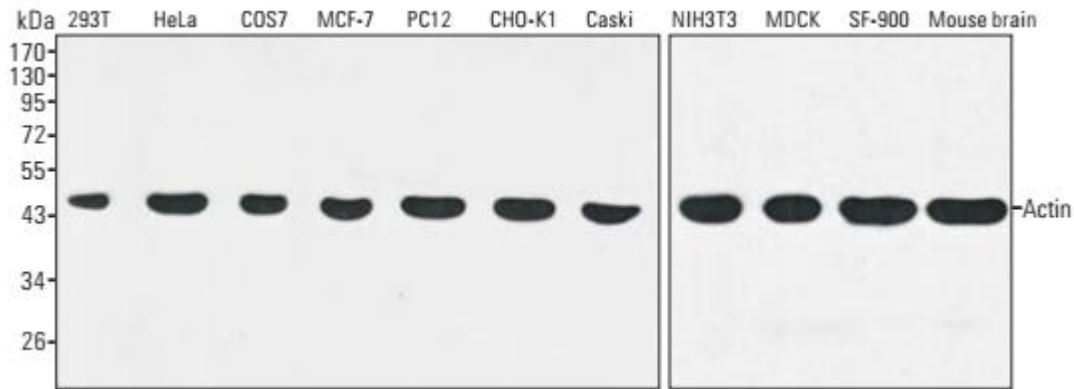
Use an anti-mouse secondary antibody to detect the the antibody.

**【RECOMMENDED ANTIBODY DILUTIONS】**

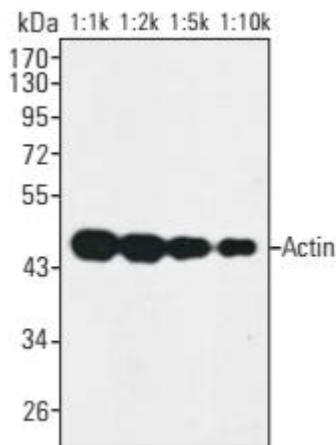
Western blotting 1:5000

For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking, overnight.

**【APPLICATION DATA】**



Western blot analysis of extracts from various cell lines and tissues Primary antibody: 0.2 µg/ml (1:5000) Actin (5A7) Mouse mAb Secondary Antibody: Goat Anti-Mouse IgG[HRP] Polyclonal Antibody



Western blot analysis of HeLa cell extracts using series dilutions of primary antibody. Primary antibody: 1.0, 0.5, 0.2, 0.1 µg/ml (1:1k, 1:2k, 1:5k, 1:10k) Actin (5A7) Mouse mAb Secondary Antibody: Goat Anti-Mouse IgG[HRP] Polyclonal Antibody

**【备注】**

本产品仅供科研使用。在确认产品质量出现问题时，本公司承诺为客户免费更换等量的质量合格产品。