

## Anti-Actin/ACTA1 Antibody Picoband® (monoclonal, 3H5) FITC Conjugated

Catalog Number: M02014-5-FITC

### About ACTA1

Actin, a highly conserved protein, is a major component of both the cytoskeletal and contractile structures in the cell types. It varies in amount, being related to the type of differentiation and to the functional state of cells and tissues. The actins exhibit over 90% sequence homology, but each isoform has a unique NH2-terminal sequence. The isoforms are comprised of three alpha-actin, one beta-actin, two gamma-actin. Because the amino acid sequence of the C-terminal is the same for almost all actins, this antibody has been raised using a synthetic peptide corresponding to the C-terminal 11 residues.

### Overview

Product Name	Anti-Actin/ACTA1 Antibody Picoband® (monoclonal, 3H5) FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Monoclonal 3H5
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	P68133

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Actin, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 9 Publications Citing This Product

1. PubMed ID: 10.2147/CMAR.S302084, Grape Seed Proanthocyanidins (GSPs) Inhibit the Development of Cutaneous Squamous Cell Carcinoma by Regulating the hsa\_circ\_0070934/miR-136-5p/PRAF2 Axis
2. PubMed ID: 10.1245/s10434-009-0395-7, MDR1/P-gp and VEGF Synergistically Enhance the Invasion of Hep-2 Cells with Multidrug Resistance Induced by Taxol
3. PubMed ID: , Telomerase catalyzed fluorescent probes for sensitive protein profiling based on one-dimensional microfluidic beads array

Visit [bosterbio.com/anti-acta1-picoband-trade-antibody-m02014-5-boster.html](http://bosterbio.com/anti-acta1-picoband-trade-antibody-m02014-5-boster.html) to see all 9 publications.

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