

## Anti-Cofilin/CFL1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9033-Fluoro594

### About CFL1

Cofilin, a member of the ADF/cofilin family, is actually a protein with 70% sequence homology to ADF, making it part of the ADF/cofilin family of small ADP-binding proteins. It is a ubiquitous actin-binding factor required for the reorganization of actin filaments. The protein is known to sever actin filaments by creating more positive ends on filament fragments, it can cause depolymerization at the minus end of filaments, thereby preventing their reassembly. As a long-lasting in vivo effect, cofilin recycles older ADP-F-actin, helping cell to maintain ATP-G-actin pool for sustained motility. pH, phosphorylation and phosphoinositides regulate cofilin's binding and associating activity with actin.

### Overview

Product Name	Anti-Cofilin/CFL1 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Monkey, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P23528

### Technical Details

Immunogen	E.coli-derived human Cofilin recombinant protein (Position: A2-L166). Human Cofilin shares 99% amino acid (aa) sequences identity with both mouse and rat Cofilin.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

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1. PubMed ID: 30738249, Zhang J,Zhuang R,Zhang X,Hu W,Cheng K,Jiang D,Shen S,Zhang Y,Ding Y,Zhang Y.CD226 is involved in megakaryocyte activation and early-stage differentiation.Mol Immunol.2019 Mar;107:123-131.doi:10.1016/j.molimm.2019.01.013.Epub 2019 Feb 6.PMID:30738249.

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