

## Anti-Calpain 1 Antibody Picoband® (monoclonal, 2E3) Fluoro488 Conjugated

Catalog Number: M01943-4-Fluoro488

### About CAPN1

CAPN1 is also known as CANP or muCL. The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene.

### Overview

Product Name	Anti-Calpain 1 Antibody Picoband® (monoclonal, 2E3) Fluoro488 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Monoclonal 2E3
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	Mouse
Uniprot ID	P07384

### Technical Details

Immunogen	E.coli-derived human Calpain 1 recombinant protein (Position: Q396-A555). Human Calpain 1 shares 86% amino acid (aa) sequence identity with both mouse and rat Calpain 1.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 2 Publications Citing This Product

1. PubMed ID: 10.1016/j.cyto.2017.04.007, Determination of cytokine levels in multiple sclerosis patients and their relevance with patients response to Cinnovex

2. PubMed ID: 25415668, Chen Hx, Tang Sp, Gao Ft, Xu JI, Jiang Xp, Cao J, Fu Gb, Sun K, Liu Sz, Shi W. Medicine (Baltimore). 2014 Nov;93(23):E138. Doi: 10.1097/Md.0000000000000138. Fibrosis, Adipogenesis, And Muscle Atrophy In Congenital Muscular Torticollis.

Visit [bosterbio.com/anti-calpain-1-picoband-trade-antibody-m01943-4-boster.html](http://bosterbio.com/anti-calpain-1-picoband-trade-antibody-m01943-4-boster.html) to see all 2 publications.

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