

## Anti-Apolipoprotein CIII/APOC3 Antibody Picoband® PE Conjugated

Catalog Number: PB10043-PE

### About APOC3

Apolipoprotein C-III, also known as apo-CIII, is a protein that in humans is encoded by the APOC3 gene. Apo-CIII is a component of very low density lipoprotein (VLDL). APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and A-IV genes are transcribed from the same strand, while the A-1 and C-III genes are convergently transcribed. An increase in apoC-III levels induces the development of hypertriglyceridemia.

### Overview

Product Name	Anti-Apolipoprotein CIII/APOC3 Antibody Picoband® PE Conjugated
Reactive Species	Human, Mouse
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	P02656

### Technical Details

Immunogen	E. coli-derived human Apolipoprotein CIII recombinant protein (Position: S21-A99). Human Apolipoprotein CIII shares 55.3% and 54.3% amino acid (aa) sequence identity with mouse and rat Apolipoprotein CIII, respectively.
Predicted Reactive Species	Bovine, Monkey
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

Suggested Dilutions

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

## 1 Publications Citing This Product

1. PubMed ID: 31985029, Chen H,Wu M,Jiang W,Liu X,Zhang J,Yu C.iTRAQ<sup>®</sup>-based quantitative proteomics analysis of the potential application of secretoneurin gene therapy for cardiac hypertrophy induced by DL<sup>®</sup>-isoproterenol hydrochloride in mice.Int J Mol Med.2020 Mar;45(3):793-804.d

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