

Anti-Apolipoprotein CIII/APOC3 Antibody Picoband® APC Conjugated

Catalog Number: PB10043-APC

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® APC Conjugated
Reactive Species	Human, Mouse
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
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	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 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[®]-based quantitative proteomics analysis of the potential application of secretoneurin gene therapy for cardiac hypertrophy induced by DL[®]-isoproterenol hydrochloride in mice.Int J Mol Med.2020 Mar;45(3):793-804.d

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