

# Anti-Apolipoprotein A I/APOA1 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9844-Fluoro550

## About Apoa1

Apolipoprotein A-1, also known as APOA1, is a human protein with a specific role in lipid metabolism. It binds to lipopolysaccharide or endotoxin, and has a major role in the anti-endotoxin function of HDL. The gene is mapped to 11q23. And it is a single polypeptide chain with 243 amino acid residues of known primary amino acid sequence. The ApoA-I protein promotes cholesterol efflux from tissues to the liver for excretion. It is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. ApoA-I is also isolated as a prostacyclin (PGI2) stabilizing factor, and thus may have an anticlotting effect. Defects in the gene encoding it are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Additionally, ApoA-I overexpression promotes macrophage-specific reverse cholesterol transport.

## Overview

Product Name	Anti-Apolipoprotein A I/APOA1 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Mouse
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q00623

## Technical Details

Immunogen	E. coli-derived mouse APOA1 recombinant protein (Position: D25-Q264). Mouse APOA1 shares 64% and 68.6% amino acid (aa) sequence identity with human and rat APOA1, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550

	Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 10.1016/j.jprot.2020.104098, Rapid glycosylation analysis of mouse serum glycoproteins separated by supported molecular matrix electrophoresis

Visit [bosterbio.com/anti-apoa1-picoband-trade-antibody-pb9844-boster.html](https://bosterbio.com/anti-apoa1-picoband-trade-antibody-pb9844-boster.html) to see all 1 publications.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Apolipoprotein A I/APOA1 Antibody - Fluoro550

For Research Use Only. Not for use in diagnostic procedures.