

Anti-Human Apolipoprotein A I DyLight® 550 conjugated APOA1 Antibody

Catalog Number: A00717-Dyl550

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-Human Apolipoprotein A I DyLight® 550 conjugated APOA1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human Apolipoprotein A I DyLight® 550 conjugated APOA1 Antibody catalog # A00717-Dyl550. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®550
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P02647

Technical Details

Immunogen	E. coli-derived human Apolipoprotein A I recombinant protein (Position: D25-Q267). Human Apolipoprotein A I shares 64% and 61.7% amino acid (aa) sequence identity with mouse and rat Apolipoprotein A I, respectively.
Predicted Reactive Species	Bovine
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG

Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry, 1-3ug/1x10⁶ cells</p>

Anti-Human Apolipoprotein A I DyLight® 550 conjugated APOA1 Antibody (A00717-Dyl550) Images



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