

For Research Use Only



# CoraLite®594-conjugated Apolipoprotein AI Monoclonal antibody

Catalog Number: **CL594-66206**

## Basic Information

Catalog Number: CL594-66206	GenBank Accession Number: BC005380	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 335	CloneNo.: 1C9G5
Source: Mouse	UNIPROT ID: P02647	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: apolipoprotein A-I	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG21920	Calculated MW: 31 kDa	
	Observed MW: 26-28 kDa	

## Applications

### Tested Applications:

FC (Intra), IF/ICC

### Species Specificity:

human, mouse

### Positive Controls:

IF : HepG2 cells, L02 cells

## Background Information

ApoA1 is a major protein component of high density lipoproteins (HDL) which is associated with reversed cholesterol transport, lipid/cholesterol binding, lecithin/cholesterol acyltransferase (LCAT) activation and specific receptors binding. It is synthesized in the liver and small intestine. Defects of ApoA1 cause low HDL level and systemic non-neuropathic amyloidosis. Serum concentration of ApoA1 is inversely related to the risk of developing atherosclerosis. This antibody was generated against the C-terminal region of human ApoA1.

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

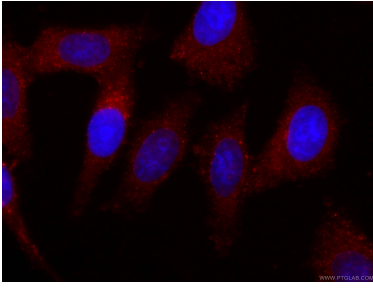
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

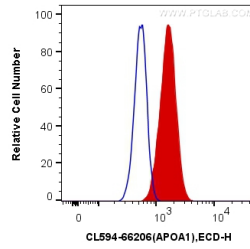
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-66206 (Apolipoprotein AI antibody) at dilution of 1:100.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human Apolipoprotein AI (CL594-66206, Clone:1C9G5) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).