

For Research Use Only

CoraLite® Plus 488-conjugated Apolipoprotein A II Monoclonal antibody



Catalog Number: **CL488-66773**

Basic Information

Catalog Number: CL488-66773	GenBank Accession Number: BC005282	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 336	CloneNo.: 1G1A2
Source: Mouse	UNIPROT ID: P02652	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2b	Full Name: apolipoprotein A-II	
Immunogen Catalog Number: AG9863	Calculated MW: 100 aa, 11 kDa	
	Observed MW: 8-11 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

Apolipoprotein A-II (APOA2) is a major component of high density lipoprotein (HDL) and it plays an important role in directing the fate of lipid metabolism among HDL. It is primarily synthesized by liver. The predicted MW of ApoA2 is 11 kDa, while the mature form is smaller (7-10 kDa) since the signal peptide was cleaved. In humans, most of circulating apoA2 exist as dimer. Five types of APOA2 dimer exist: homodimer apoA2-ATQ/ATQ, heterodimer apoA2-ATQ/AT, homodimer apoA2-AT/AT, apoA2-AT/A, and apoA2-A/A. ApoA2 isoforms are considered to be some of the most promising serum/plasma biomarkers for aiding the early detection of pancreatic cancer. (PMID: 29081441, 29481802)

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:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Apolipoprotein A II (CL488-66773, Clone:1G1A2) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).