

# Apolipoprotein B Monoclonal Antibody (F2C13)

## Product Details

Size	100 µg
Species Reactivity	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	F2C13
Conjugate	Unconjugated
Immunogen	Purified human serum LDL
Form	Liquid
Concentration	1 mg/mL
Purification	Ion-exchange chromatography
Storage buffer	0.01M potassium phosphate with 2.5mM KCl, 0.135M NaCl, 1mg/mL BSA
Contains	0.05% sodium azide
Storage Conditions	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C
RRID	AB_10985017

Applications	Tested	Dilution	Published
ELISA (ELISA)	✓	Assay Dependent	
Immunocytochemistry (ICC)	✓	2 µg/mL	
Immunofluorescence (IF)	✓	2 µg/mL	
Immunoprecipitation (IP)	✓	Assay Dependent	
Radioimmune Assays (RIA)	✓	Assay Dependent	

## Product Specific Information

MA5-14741 targets Apolipoprotein B in ELISA, IP, and RIA applications and shows reactivity with Human samples.

The MA5-14741 immunogen is purified human serum LDL.

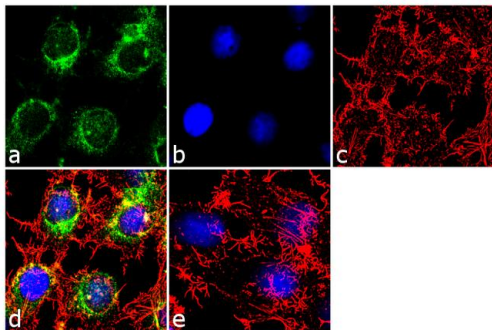
MA5-14741 detects Apolipoprotein B which has a predicted molecular weight of approximately 513 kDa.

Product MA514741 is a smaller package size of MIA1610 (formerly sold as a Seradyn product).

## Product Images For Apolipoprotein B Monoclonal Antibody (F2C13)

### Apolipoprotein B Antibody (MA5-14741) in IF

Immunofluorescence analysis of Apolipoprotein B was performed using 70% confluent log phase Hep G2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with Apolipoprotein B (F2C13) Mouse Monoclonal Antibody (Product # MA5-14741) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



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