

For Research Use Only

# Apolipoprotein CIII Recombinant monoclonal antibody

Catalog Number: 87100-1-RR



## Basic Information

<b>Catalog Number:</b> 87100-1-RR	<b>GenBank Accession Number:</b> NM_000040	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 345	<b>CloneNo.:</b> 252153H5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02656	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000 IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> apolipoprotein C-III	
<b>Immunogen Catalog Number:</b> EG3387	<b>Calculated MW:</b> 11 kDa	
	<b>Observed MW:</b> 11 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : human plasma, human serum IF/ICC : LO2 cells,
<b>Species Specificity:</b> human	

## Background Information

Apolipoprotein CIII (apoCIII) is the most abundant C-apolipoprotein in human and is found on very low density lipoproteins, chylomicrons, and high density lipoproteins (HDL) (PMID: 18408013). ApoCIII inhibits lipoprotein lipase as well as binding of lipoproteins to cell surface heparan sulfate proteoglycans and receptors (PMID: 26228667). ApoC-III has 3 actions that can impair plasma lipoprotein metabolism and lead to hypertriglyceridemia (PMID: 24941081).

## Storage

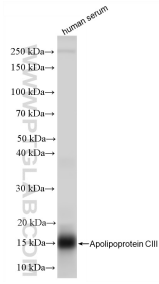
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

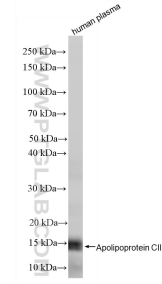
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

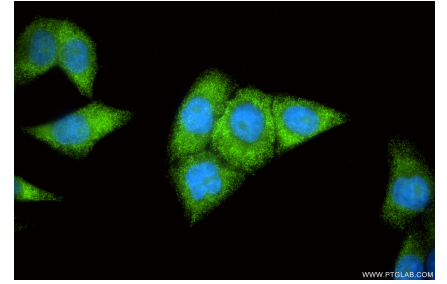
## Selected Validation Data



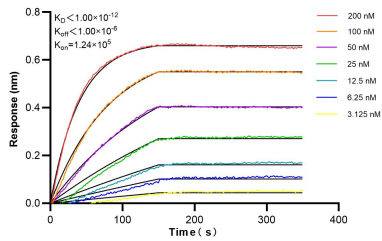
Various lysates were subjected to SDS PAGE followed by western blot with 87100-1-RR (Apolipoprotein CIII antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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Immunofluorescent analysis of (4% PFA) fixed LO2 cells using Apolipoprotein CIII antibody (87100-1-RR, Clone: 252153H5) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 87100-1-RR against Human Apolipoprotein CIII were performed. The affinity constant is below 1 pM.