

For Research Use Only

# Apolipoprotein CIII Recombinant monoclonal antibody, PBS Only

Catalog Number:87100-1-PBS



## Basic Information

<b>Catalog Number:</b> 87100-1-PBS	<b>GenBank Accession Number:</b> NM_000040	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 345	<b>CloneNo.:</b> 252153H5
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P02656	
<b>Immunogen Catalog Number:</b> EG3387	<b>Full Name:</b> apolipoprotein C-III	
	<b>Calculated MW:</b> 11 kDa	
	<b>Observed MW:</b> 11 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

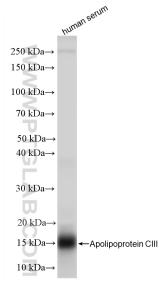
T: 4006900926

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

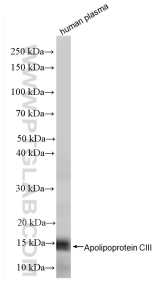
W: [ptgcn.com](http://ptgcn.com)

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

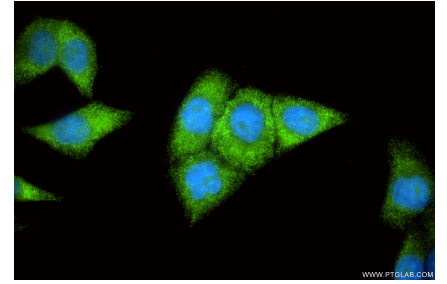
## Selected Validation Data



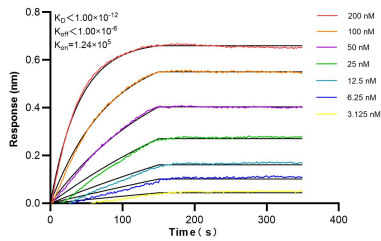
Various lysates were subjected to SDS PAGE followed by western blot with 87100-1-RR (Apolipoprotein CIII antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87100-1-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 87100-1-PBS in a different storage buffer formulation.



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