

For Research Use Only

Apolipoprotein CIII Recombinant monoclonal antibody, PBS Only

Catalog Number:87100-1-PBS



Basic Information

Catalog Number: 87100-1-PBS	GenBank Accession Number: NM_000040	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 345	CloneNo.: 252153H5
Source: Rabbit	UNIPROT ID: P02656	
Isotype: IgG	Full Name: apolipoprotein C-III	
Immunogen Catalog Number: EG3387	Calculated MW: 11 kDa	
	Observed MW: 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.

Storage Buffer:
PBS only, pH7.3

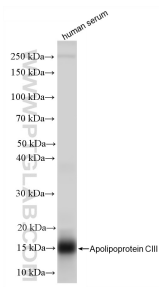
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

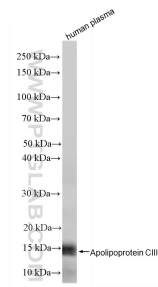
E: proteintech@ptglab.com
W: ptglab.com

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

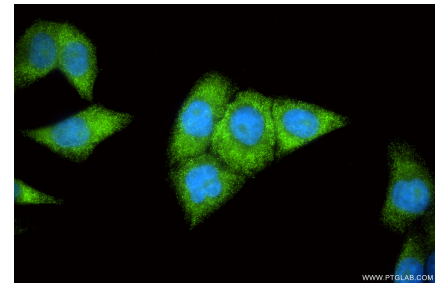
Selected Validation Data



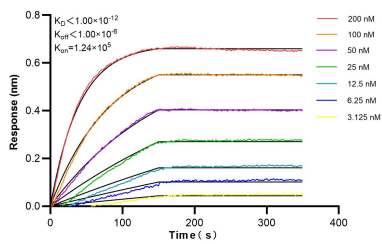
Various lysates were subjected to SDS PAGE followed by western blot with 87100-1-RR (Apolipoprotein CIII antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87100-1-PBS in a different storage buffer formulation.



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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.