# picmonic

# **Apolipoprotein Types**



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#### E E

Apolipoproteins are proteins that bind to lipids to form lipoproteins, transporting them in the blood, cerebrospinal fluid, and lymph. ApoE binds to <strong>E</strong>extrong

# Mediates Remnant Uptake

Mediator Remnant Uptake-tube

ApoE facilitates the uptake of chylomicron remnants and aids in their clearance inside the liver.

### AI

(A) Apple (1) Wand

ApoAI is found only in HDL.

# Activates LCAT

#### L-cat

ApoAI activates LCAT (Lecithin Cholesterol Acyltransferase), which helps in maturing HDL. It is responsible for the esterification of free cholesterol, allowing for a greater amount of cholesterol to be loaded onto the protein.<br/>

### CII

# (C) Cat (2) Tutu

ApoCII can be seen in chylomicron, VLDL, IDL, and HDL.<br>

# **Catalyzes Cleavage**

Cleaver ApoCII is a cofactor of lipoprotein lipase that catalyzes cleavage.

### B48

(B) Bee (40) Ounce (8) Ball

ApoB48 binds to chylomicron and chylomicron remnant.

### **Mediates Chylomicron Secretion Into Lymphatics**

Mediator Kite-mic into Lymph-limes ApoB48 mediates chylomicron secretion from the GI cells into lymphatics, which then continue to the blood.

### Only on Particles Originating from the Intestine

# Intestinal-guy

ApoB48 only can bind to particles originating from the intestine.

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#### **B100**

(B) Bee (100) Dollar-bill ApoB100 binds to VLDL, IDL, and LDL.

# **Binds LDL Receptor**

Binding Ladybug-devil Receptor B100 binds to the LDL receptor.

# Only on Particles Originating from the Liver

Liver

ApoB100 only binds to particles originating from the liver.