

Human ApoA4 Antibody Pair Set

Catalog No.	E-KAB-0244	Applications	ELISA
Synonyms	APOA4, Apolipoprotein A-IV, ApoA-IV, ApoAIV, apoA4,		

Kit components & Storage

Title	Specifications	Storage
Human ApoA4 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human ApoA4 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

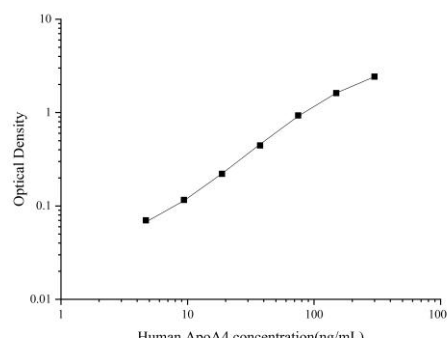
Product Information

Items		Characteristic (E-KAB-0244)	
		Human ApoA4 Capture Antibody	Human ApoA4 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ApoA4 protein	Recombinant Human ApoA4 protein
	Swissprot	P06727	
Product details	Reactivity	Human	Human
	Host	Sheep	Sheep
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human ApoA4 in ELISAs.	

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Applications

Human ApoA4 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Human ApoA4 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human ApoA4 concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>5</td><td>0.08</td></tr><tr><td>10</td><td>0.12</td></tr><tr><td>20</td><td>0.25</td></tr><tr><td>50</td><td>0.50</td></tr><tr><td>100</td><td>1.00</td></tr><tr><td>200</td><td>1.50</td></tr><tr><td>500</td><td>2.50</td></tr></tbody></table>	Human ApoA4 concentration (ng/mL)	Optical Density	5	0.08	10	0.12	20	0.25	50	0.50	100	1.00	200	1.50	500	2.50
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ELISA Detection	1:1000-1:10000	Human ApoA4 Detection Antibody (Biotin)																	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

APOA4 is a major protein component of chylomicrons in postprandial lymph and plasma. It is synthesized in the small intestine and the liver, attached to chylomicrons by enterocytes, and secreted into intestinal lymph during fat absorption. APOA4 is intimately involved in metabolism and has protective roles in cardiovascular diseases like atherosclerosis. APOA4 can promote insulin secretion and maintain glucose homeostasis. It also has potent antioxidant and anti-inflammatory properties.

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