



Chicken Apolipoprotein B(APOB) ELISA kit

Product Code	CSB-EL001918CH
Protein Biological Process 2	Lipogenesis and lipometabolism
Abbreviation	APOB
Protein Biological Process 1	Apolipoprotein
Target Name	apolipoprotein B (including Ag(x) antigen)
Uniprot No.	P11682
Product Type	ELISA Kit
Immunogen Species	Gallus gallus (Chicken)
Protein Biological Process 3	Cholesterol metabolism
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.156 µg/mL-10 µg/mL
Sensitivity	0.039 µg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	APOB
Tag Info	quantitative
Protein Description	Competitive
Description	This Chicken APOB ELISA Kit was designed for the quantitative measurement of Chicken APOB protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 0.156 µg/mL-10 µg/mL and the sensitivity is 0.039 µg/mL.
Target Details	This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the



apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels.