Porcine LDLR Antibody Pair Set

Catalog No. E-KAB-0673 **Applications** ELISA
Synonyms FH;FHC;LDLCQ2;Familial Hypercholesterolemia

Kit components & Storage

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

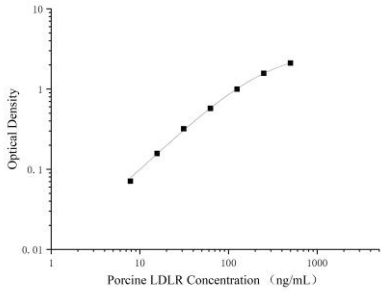
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0673)	
		Porcine LDLR Capture Antibody	Porcine LDLR Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Porcine LDLR protein	Recombinant Porcine LDLR protein
	Swissprot	Q28832	
Product details	Reactivity	Porcine	Porcine
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A & Antigen Affinity	Protein A & Antigen Affinity
	Specificity	Detects Porcine LDLR in ELISAs.	

Applications

Porcine LDLR Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Porcine LDLR Capture Antibody	
ELISA Detection	1:1000-1:10000	Porcine LDLR Detection Antibody (Biotin)	

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

Background

LDLR (low density lipoprotein receptor) is a member of the LDL receptor gene family and is involved in receptor-mediated endocytosis of specific ligands. The LDLR is a cell surface glycoprotein that scavenges LDL from the blood and regulates plasma LDL cholesterol. The cytoplasmic domain of the LDL receptor is necessary for the receptor to cluster in coated pits;which promotes the rapid endocytosis of bound LDL. The protein is highly glycosylated through N- and O-linkages and thus migrates at 100 to 160 kDa bands on SDS-PAGE.