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Chicken Anti-Apolipoprotein B antibody (HUC20)

Description Chicken monoclonal antibody to Apolipoprotein B (ApoB)
Catalog Number HBMC04-1

Details

size	50 µg
Concentration	1mg/ml
Class	IgY
Type	Monoclonal Antibody
Host	Chicken
Immunogen	Human LDL
Specificity	Human, Mouse, Rat, Rabbit, Guinea pig
Storage	-20°C, Avoid Freeze / Thaw Cycles
Form	50 µg of immunogen affinity purified antibody in PBS.

Background

ApoB exists in the plasma as two main isoforms, ApoB100 (approximately 500 kDa) and ApoB48 (approximately 240 kDa). ApoB100 is synthesized exclusively in the gut, ApoB48 in the liver. Chickens are useful for the acquisition of specific antibodies against proteins conserved among mammalian species. In the case of ApoB, the homology of ApoB48 between human and mice is 78%, whereas that between human and chicken is 48%. This product (HUC20) recognizes human, mouse, and rat's ApoB100 and ApoB48 containing lipoproteins. In addition, HUC20 are cross-reactive with ApoB between human, mouse, rat, rabbit, and guinea pig.

Application notes

Recommended dilution

ELISA: 1:4,000 - 1:8,000
Western Blot : 1:4,000
Immunohistochemistry : Refer to the reviews

Not yet tested in other applications.
Optimal dilution/concentrations should be determined by the end user.

Reviews

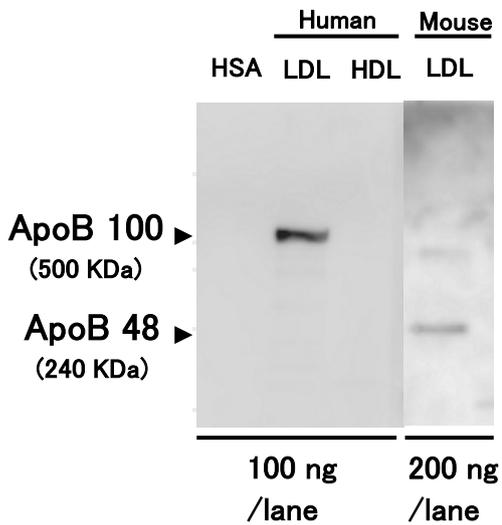
Atherosclerosis 200 (2008) 303-309
「Determination of LOX-1-ligand activity in mouse plasma with a chicken monoclonal antibody for ApoB.」

**For research and in vitro use only. Not for diagnostic or therapeutic work.
Please contact a technical service representative for more information.**

Chicken Anti-Apolipoprotein B antibody (HUC20)

Pictures

Reduction condition SDS-PAGE (3-10 % gradient gel)
Secondary antibody: HRP Labeled anti-chicken IgG(Fc)



Western blotting analysis of lipoproteins with HUC20. Lipoproteins (100 ng or 200 ng) of each fraction were separated by SDS-PAGE followed by Western blotting with HUC20. HUC20 recognized ApoB-48 (approximately 240 KDa) as well as ApoB-100 (approximately 500 KDa).