

Polyclonal Antibodies

Goat Anti-Human Apolipoprotein B, Whole Serum



Product Code : 00-ABD-MM-APB-001

Apolipoprotein-B (ApoB) is a protein, involved in the metabolism of lipids and is the main protein constituent of lipoproteins such as very low-density lipoprotein (VLDL) and low-density lipoprotein (LDL). ApoB exists in the plasma in two main iso forms. ApoB100 and ApoB48. ApoB100 is synthesised in the liver, and is the major apolipoprotein of VLDL, intermediate density, and LDL, and is absolutely required for their formation. ApoB100 acts as a ligand for LDL receptors in various cells throughout the body, allowing cells to internalise LDL and absorb cholesterol. ApoB48 is expressed in the intestine and is present on chylomicrons and their remnants lacking the C-terminal, LDL-receptor binding region of ApoB100. Elevated plasma concentrations of ApoB containing lipoproteins, are key risk factors for the development of atherosclerosis. Anti-Human ApoB is used for the detection of elevated levels of ApoB in the patient serum which may indicate the high risk of developing cardiac diseases. It also is used in the development and manufacturing of various qualitative and quantitative assays based on RID, IEP, ELISA, latex enhanced immunoturbidimetric assays, Ouchterlony double diffusion, western blot, and precipitin assays.

Specifications:

PARAMETERS

Host

Immunogen

Grade

Physical Appearance

Titre (Reverse Single Radial
Immunodiffusion)

Shelf life

Buffer details*

Total Protein (Biuret Method)

Cholesterol (CHOD

Enzymatic method)

Specificity

(Immunoelectrophoresis)

Specificity (Ouchterlony)

pH

Storage conditions

ACCEPTANCE CRITERIA

Goat

Human ApoB

Whole Serum

Straw to brownish yellow clear liquid without any
suspended particles

≥ 8 mg/ml

3 years

Tris saline with 15 mM NaN₃, pH 7.4±0.2

70 to 160 mg/ml

≤ 50 mg/dl

Monospecific to human Apolipoprotein B when reacted with
pooled human plasma & 2X normal human serum

Monospecific when reacted with normal human serum

7.0 to 8.0

2 to 8°C

*Buffer composition can be customised as per the customer requirements. Product can be further customised as per the specific requirements.

For research use or further manufacturing purposes only

CORPORATE OFFICE:
17th Floor, Hoechst House,
Nariman Point,
Mumbai - 400 021, India
Tel: +91 22 6656 0900

PLANT ADDRESS:
Plot No. A-334/336/338, A-337 & 339
Road No. 25 & 26, Wagle Estate,
Thane - 400 604, India.
Tel: +91 865 7428 612 / 613 / 614

EMAIL ADDRESS:
info@advychemical.com

WEBSITE:
www.advvychemical.com

