

AR05062PU-N**Native Human Low Density Lipoprotein / LDL (Acetylated)-Purified**

Alternate names: Low-density lipoprotein

Quantity: 2 mg

Concentration: 2.0 mg/ml

Background: LDL (low-density lipoprotein) is a type of lipoprotein that transports cholesterol and triglycerides from the liver to peripheral tissues. LDL enables fats and cholesterol to move within the water based solution of the blood stream. LDL also regulates cholesterol synthesis at these sites.

Species: Human

Source: Human

Format: **State:** Liquid purified Acetylated LDL from Human Serum
Purity: Purified to homogeneity via ultracentrifugation and acetylated with excess acetic anhydride.
Buffer System: TRIS buffered saline containing 0.3 mM EDTA

Applications: **ELISA.**
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Acetylated Low Density Lipoprotein (AcLDL) is taken up by cells via scavenger receptors and has been used as a mechanism of targeted drug delivery and in combination with saporin for the depletion of specific cell types. AcLDL behaves like oxidised LDL, both of which are degraded within lysosomes.
Biological Activity: Each lot has been evaluated for receptor binding to murine peritoneal macrophages in conjunction with [¹²⁵I] Ac-LDL or Dil-AcLDL

Storage: Store the protein undiluted at 2-8°C.
DO NOT FREEZE!
Shelf life: 3 months from despatch.

Caution: (A full Health and Safety assessment is available upon request) The donor material has tested negative for HIV 1 and 2, HBsAg, HTLV 1, HCV and HBcAg.

General Readings: 1. Limmon, G.V. et al. (2008) Scavenger receptor class-A is a novel cell surface receptor for double-stranded RNA. FASEB J. 22: 159-67