



DATA SHEET

OXIDIZED LOW DENSITY LIPOPROTEIN, HUMAN

Catalog No: YB-002

Lot No: 2020-07-24

Quantity: 2.0mg (milligrams) Protein/vial

Concentration: 2.00mg/ml (Protein)

Packaging: Oxidized LDL is membrane filtered and aseptically packaged under nitrogen in a solution containing phosphate-buffered saline at pH 7.4 and 0.2mM EDTA-Na₂.

Preparation: Yiyuan Biotechnologies Human LDL (Cat. No. **YB-001**), which was purified to homogeneity via ultracentrifugation(1.019-1.063g/cc), is oxidized using Cu₂SO₄ (oxidant) in PBS at 37°C for 18hours. Oxidation is terminated by adding excess EDTA-Na₂. Each lot is analyzed on agarose gel electrophoresis for migration versus LDL. This lot of OxLDL migrates 2.0fold further than the native LDL. This type Oxidized LDL is widely used to investigate lipid metabolism, only less induce cell apoptosis. Apoptosis inducement please choose High Oxidized LDL (Cat. No.**YB-002-1**) from our company.

TBARS: TBARS is determined colorimetrically by using Malondialdehyde as a standard.

Starting LDL <0.50 nmoles of MDA/mg Protein

Ox-LDL >18.5 nmoles of MDA/mg Protein

Endotoxin: < 0.5EU/mg(Protein)

Storage & Stability:

This product is stable for **6 weeks** after receipt when handled aseptically and stored at **2-8°C**. **NEVER FREEZE.**

***Special Note:** After prolonged storage, some precipitate may be observed. This is normal for lipoprotein. Spin in a centrifugation 1000×g for 3 minutes before using.

Biological Activity:

Sample lots of YB Oxidized LDL are evaluated for receptor binding to peritoneal macrophages in conjunction with our Dil-Ox-LDL and [I-125] Ox-LDL

****Preparations of Oxidized LDL are fairly unstable; plan your experiments in advance and use fresh material.***

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