



Mouse monoclonal anti oxLDL - OB/04

Form: Lyophilized antibody in vials, Vial contains 870µg antibody

Isotype: IgG1 (mouse)

Immunogen:
Oxidized LDL

Specificity:
mAb OB/04 reacted strongly with oxLDL and moderately with oxVLDL but did not react with oxHDL₃.

Recativity:
The immunoreactivity to and specificity of mAb OB/04 on Western Blots and fluorescence immunoassays was confirmed using oxidized or modified serum lipoproteins and serum albumin. In addition, an immunohistochemical analysis of a human atherosclerotic lesion was performed with this antibody.

Usage:
Working concentrations for specific applications should be determined by the investigator. Appropriate working concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubation, etc. The following concentration ranges are recommended starting points for this product.
Sandwich Immunoassay: 2,5µg/ml

Storage Conditions
Lyophilized antibody in vials, store at -20°C.

Background:
The monoclonal antibody OB/04 was generated to bring further insights into the distribution of oxidized Apolipoprotein B-containing lipoproteins in atherosclerotic plaques. It also might be used to establish immunoassays for the investigation of a possible presence of modified or oxidized apoB-containing lipoproteins in circulating human blood.

References
Astrid Hammer et. al.. Generation, Characterization, and Histochemical Application of Monoclonal Antibodies Selectively Recognizing Oxidatively Modified ApoB-Containing Serum Lipoproteins. *Arterioscler. Thromb. Vasc. Biol.* 15: 704-713,1995.

Feng-Shiun Shie et al.. Oxidized Low-Density Lipoprotein Is Present in Astrocytes Surrounding Cerebral Infarcts and Stimulates Astrocyte Interleukin-6 Secretion. *Am. J. Pathol.* 164:1173-1181, 2004.

Kyoko Nishi et al.. Oxidized LDL in Carotid Plaques and Plasma Associates With Plaque Instability. *Arterioscler. Thromb. Vasc. Biol.* 22:1649-1654, 2002.

Christa Meisinger et al.. Plasma Oxidized Low-Density Lipoprotein, a Strong Predictor for Acute Coronary Heart Disease Events in Apparently Healthy, Middle-Aged Men From the General Population. *Circulation* 112:651-657, 2005.

Contact:
Univ.-Prof. Dr. Günther Jürgens
Head of Institute of Physiological Chemistry
Medical University of Graz
Harrachgasse 21
A-8010 Graz
Österreich
Tel.: +433163804195
Fax: +433163809610