HUMAN Cu²⁺-Oxidized Low Density Lipoprotein (Cu²⁺-OX-LDL)

ANTIBODY, POLYCLONAL

Catalog no.: AT1002.1 / AT1002.2
Immunogen: Human Cu²⁺-oxidized LDL
Host: Rabbit
Matrix: Serum
Specificity: Human and murine Cu²⁺-oxidized LDL.

The antiserum shows strong reactivity to fully oxidized modifications of LDL including Cu²⁺-oxidized LDL, MDA-LDL, HOCL-LDL, but not to other oxidized proteins like MDA-HSA, MDA-HDL, HOCL-HSA, HOCL-HDL (below detection limit). The reaction to native LDL was weak, but clearly detectable (approx. 20%). Minimally oxidized LDL gave a strong binding signal (> 80%).

Contents: 20 µl / 100 µl (lyophilized)
Resuspend in 20 µl / 100 µl aqua bidest.

Known applications: ELISA and related methods (1:500-1:5,000)³; immunohistochemistry (paraffin sections, <1:500; cryosections, 1:400-2000)¹, ², ³, ⁴, ⁵, ⁶, ⁷

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

Store at: 2-8 °C (lyophilized); -20 °C (dissolved)
Repeated thawing and freezing must be avoided.

Figure 1: Immunohistochemistry image of oxidized low density lipoprotein staining in paraffin sections of human knee joint synovial membrane. The section was incubated with AT 1002 (1:500) and detected using avidin-biotin-horseradish peroxidase technique (Dako). Light counterstaining with Harris’s haematoxylin was performed. A. AT 1002 stains perivascular macrophages within the intima from a patient with rheumatoid arthritis. Winyard PG et al. (1993) Annals of the Rheumatic Diseases 52:677-680
References:


Last updated on: 29 August 2017

For research use only

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