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TECHNICALLY *Speaking*

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Purified Mouse anti-Human Clusterin Monoclonal Antibody

CLX221AP

Lot:

Size: 0.1 mg

Clone: Hs-3

Isotype: Mouse IgG1

Specificity: Clusterin (SGP-2, SP-40,40, pADHC-9, TRPM-2, CLJ, T64, GP III, APO J, XIP8) is a 75-80 kD disulfide-linked heterodimeric protein containing about 30% of N-linked carbohydrate rich in sialic acid but truncated forms targeted to the nucleus have also been identified. It is a conserved secreted glycoprotein expressed by a wide range of tissues and being implicated in several physiological processes. Across a broad range of species clusterin shows a high degree of sequence homology ranging from 70% to 80%. It is nearly ubiquitously expressed in most mammalian tissues and can be found in plasma, milk, urine, cerebrospinal fluid and semen. It is able to bind and form complexes with numerous partners such as immunoglobulins, lipids, heparin, bacteria, complement components, paraoxonase, beta amyloid, leptin and others. Clusterin has a number of functions such as phagocyte recruitment, aggregation induction, complement attack prevention, apoptosis inhibition, membrane remodelling, lipid transport, hormone transport and/or scavenging, matrix metalloproteinase inhibition. One tempting hypothesis says that clusterin is an extracellular chaperone protecting cells from stress-induced insults caused by degraded and misfolded protein precipitates. The protein is expressed in many pathological and clinically relevant situations including cancer, organ regeneration, infection, Alzheimer disease, retinitis pigmentosa, myocardial infarction, renal tubular damage, autoimmunity and others. A genuine function of clusterin has not been defined.

Immunogen: Freshly ejaculated human sperms were washed in PBS and extracted in 3% acetic acid, 10% glycerol, 30 mM benzaminidine. The acid extract was dialyzed against 0.2% acetic acid and subsequently used for immunization.

Species Reactivity: Human

Continued Overleaf...

For more information or to place an order please contact...

CEDARLANE®
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Application:	Western Blotting Immunocytochemistry ELISA
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified from ascites by protein-A affinity chromatography.
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
References:	Capkova J., Geussova G. and Peknicova J.: New monoclonal antibody to human apolipoprotein J. Folia Biologica (Praha) 48, 40-42 (2002).

This product is made available in collaboration with Exbio Praha, a.s.

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