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# Clusterin/Apolipoprotein J/Apo-J/CLU Monoclonal Antibody

catalog number: AN200024P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human

Immunogen Recombinant Human Clusterin / Apolipoprotein J / Apo-J Protein

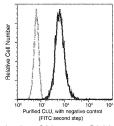
Host Mouse Isotype lgG1 Clone A868 **Purification** Protein A

Buffer 0.2 µm filtered solution in PBS

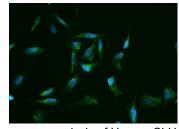
#### **Applications Recommended Dilution**

1:500-1:1000 **WB FCM** 1:100-1:500 1:100-1:500 ICC/IF

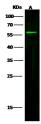
#### Data



Flow cytometric analysis of Human CLU expression on A549 Immunofluorescence analysis of Human CLU in Hela cells. then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



cells. The cells were stained with purified anti-Human CLU. Cells were fixed with 4% PFA, permeabilzed with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human CLU Monoclonal Antibody (1:300) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (green). Positive staining was localized to cytoplasm.



Western Blot with Clusterin / Apolipoprotein J / Apo-J / CLU Monoclonal Antibody at dilution of 1:500. Lane A: Hela Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

> Observed-MW:57 kDa Calculated-MW:52 kDa

## **Preparation & Storage**

**Storage** This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

For Research Use Only

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#### **Elabscience Bionovation Inc.**

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Shipping Ice bag

## **Background**

Clusterin, also known as complement-associated protein SP-40, Complement cytolysis inhibitor, Apolipoprotein J, Testosterone-repressed prostate message 2, Aging-associated gene 4 protein, CLU and APOJ, is a secreted protein which belongs to the clusterin family. Clusterin/Apolipoprotein J/Apo-J is an enigmatic glycoprotein with a nearly ubiquitous tissue distribution and an apparent involvement in biological processes ranging from mammary gland involution to neurodegeneration in Alzheimer's disease. Its major form, a heterodimer, is secreted and present in physiological fluids, but truncated forms targeted to the nucleus have also been identified. Clusterin/Apolipoprotein J/ Apo-J is a widely distributed glycoprotein with a wide range of biologic properties. A prominent and defining feature of clusterin is its marked induction in such disease states as glomerulonephritis, cystic renal disease, renal tubular injury, neurodegenerative conditions, atherosclerosis, and myocardial infarction. Upregulation of clusterin mRNA and protein levels detected in diverse disease states and in in vitro systems have led to suggestions that it functions in membrane lipid recycling, in apoptotic cell death, and as a stress-induced secreted chaperone protein, amongst others.

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