

Anti-Clusterin Antibody (9C938)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9C938
Purification:	Protein A

Applications

Verified Activity:	<p>1. Immunofluorescence staining of Human CLU in Hela cells. Cells were fixed with 4% PFA, permeabilized 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.</p> <p>2. Flow cytometric analysis of Human CLU expression on A549 cells. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), stained with purified anti-Human CLU, 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.</p> <p>3. Anti-CLU mouse monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: Hela Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.-Developed using the Odyssey technique.-Performed under reducing conditions.-Predicted band size:52 kDa.-Observed band size:57 kDa
Application:	ELISA,FCM,ICC/IF,WB
Recommended	WB: 1:500-1:1000; ELISA: 1:5000-1:10000; ICC-IF: 1:100-1:500; FCM: 1:100-1:500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Clusterin / Apolipoprotein J / Apo-J Protein (TMPY-01691)
Antigen Species: Human
Synonyms: CLI;KUB1;APOJ;CLU1;SGP-2;SP-40;clusterin;APO-J;AAG4;SGP2;TRPM2;CLU2;TRPM-2;NA1/NA2

Research 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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