

Anti-Apolipoprotein J/CLU Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9575-Fluoro647

About CLU

Clusterin (apolipoprotein J) is a 75 - 80 kDa disulfide-linked heterodimeric protein associated with the clearance of cellular debris and apoptosis. In humans, clusterin is encoded by the CLU gene. This protein has several synonyms: dimeric acidic glycoprotein (DAG protein), testosterone repressed prostate message-2 (TRPM-2), sulfated glycoprotein-2 (SGP-2) and complement lysis inhibitor (CLI). Clusterin was mapped to mouse chromosome 14. Clusterin is a ubiquitously expressed molecule thought to influence a variety of processes including cell death. In the brain, it accumulates in dying neurons following seizures and hypoxic-ischemic (H-I) injury. clusterin may be a new therapeutic target to modulate non-caspase-dependent neuronal death following acute brain injury.

Overview

Product Name	Anti-Apolipoprotein J/CLU Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P10909

Technical Details

Immunogen	E. coli-derived human Apolipoprotein J recombinant protein (Position: S228-E449). Human Apolipoprotein J shares 76.1 % and 75.2 % amino acid (aa) sequence identity with mouse and rat Apolipoprotein J, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 10.1002/2211-5463.12997, Cystatin C regulates the cytotoxicity of infection-induced endothelial-derived beta-amyloid
2. PubMed ID: 33030263, Balczon R, Morrow KA, Leavesley S, Francis CM, Stevens TC, Agwaramgbo E, Williams C, Stevens RP, Langham G, Voth S, Cioffi EA, Weintraub SE, Stevens T. Cystatin C regulates the cytotoxicity of infection-induced endothelial-derived beta-amyloid. FEBS Open Bio

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