

Anti-Clusterin Purified Monoclonal Antibody

Catalog Number: M00590-1

About CLU

Clusterin (APO J, SGP-2, TRPM-2, SP-40, pADHC-9, CLJ, T64, GP III, 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 many physiological processes, including e.g. lipid transportation, complement inhibition, tissue remodeling, membrane recycling, or clearance of cellular debris. It is nearly ubiquitously expressed in most mammalian tissues and can be found in plasma, milk, urine, cerebrospinal fluid and semen. Clusterin is able to bind and form complexes with numerous partners (immunoglobulins, lipids, heparin, bacteria, complement components, paraoxonase, beta amyloid, leptin etc.) and 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 is still enigmatic.

Overview

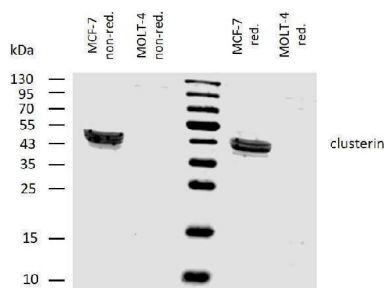
Product Name	Anti-Clusterin Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Clusterin Purified Monoclonal Antibody (Catalog# M00590-1). Tested in WB, IHC-P, ICC, ELISA application(s). This antibody reacts with Human.
Application	ELISA, IHC-P, ICC, WB
Clonality	Monoclonal Hs-3
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P10909

Technical Details

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. The mouse monoclonal antibody Hs-3 recognizes human clusterin (apolipoprotein J), a conserved secreted glycoprotein.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml

Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Immunohistochemistry (paraffin sections): 10 ug/ml; positive tissue: Sertoli cells. Western blotting: 1 ug/ml; positive material: seminal plasma.

Anti-Clusterin Purified Monoclonal Antibody (M00590-1) Images



Western blotting analysis of human clusterin using mouse monoclonal antibody Hs-3 on lysates of MCF-7 cell line and MOLT-4 cell line (clusterin non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-clusterin monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. Clusterin was detected around 40 kDa.

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