

Mouse Anti-Bovine ALB Monoclonal Antibody

Cat. No. CAB-2494MB **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Bovine
Source	Mouse
Antigen Description	Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Mutations in this gene on chromosome 4 result in various anomalous proteins. Albumin is a globular unglycosylated serum protein of molecular weight 65,000. Albumin is synthesized in the liver as preproalbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin.
Immunogen	This protein A purified monoclonal antibody was produced after repeated immunizations of balb/c mice with bovine serum albumin.
Clone Number	MARL017
Reactivity	bovine
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Preservative	0.01% (w/v) Sodium Azide
Concentration	0.72 mg/ml (by UV absorbance at 280 nm)
Application	ELISA: 1:120,000; WB: 1:2,000 - 1:10,000; IP: 1:100; IHC: 1:1,000 - 1:5,000; OTHER: User Optimized
Storage	Store vial at -20°C prior to opening. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing.

GENE INFORMATION

Gene Name	ALB albumin [Homo sapiens]
Official Symbol	ALB
Synonyms	ALB; DKFZp779N1935; PRO0883; PRO0903; PRO1341; albumin; serum albumin; growth-inhibiting protein 20; cell growth inhibiting protein 42
Gene ID	213
mRNA Refseq	NM_000477
Protein Refseq	NP_000468
MIM	103600
UniProt ID	P02768
Chromosome	4q11-q13

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Location	
Pathway	Hemostasis; Lipid and lipoprotein metabolism.
Function	DNA binding; antioxidant activity; copper ion binding; drug binding; fatty acid binding; metal ion binding; contributes_to oxygen binding; protein binding; pyridoxal phosphate binding; toxin binding.

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