

Mouse Albumin Monoclonal Antibody | anti-ALB antibody

Albumin (Transport Protein)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62971	Mouse	Human. Others not known.	Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Albumin; Monoclonal Antibody; Albumin (Transport Protein); ALB; Cell growth inhibiting protein 42; Growth inhibiting protein 20; HAS; anti-ALB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	ALB/2144
Specificity	Albumin is a soluble, monomeric protein, which comprises about one half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. 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 form of albumin.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	609
Applicable Applications for anti-ALB antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant full-length human ALB protein
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	4q13.3
Positive Control	HepG2 Cells, human serum, Liver or Hepatocellular Carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using Albumin Mouse Monoclonal Antibody (ALB/2144). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

SDS-PAGE Analysis Purified Albumin Mouse Monoclonal Antibody (ALB/2144). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with Albumin Mouse Monoclonal Antibody (ALB/2144).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with Albumin Mouse Monoclonal Antibody (ALB/2144).

ADDITIONAL INFORMATION

References	Ruiz, M., et al. 1982. Familial dysalbuminemic hyperthyroxinemia: a syndrome that can be confused with thyrotoxicosis. N. Engl. J. Med. 306: 635-639.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502027
NCBI GeneID	213
NCBI Accession #	NP_000468.1
NCBI GenBank Nucleotide #	NM_000477.6
UniProt Accession #	P02768; O95574; P04277; Q13140; Q645G4; Q68DN5; Q6UXK4; Q86YG0; Q8IUK7; Q9P157; Q9P1I7; E7ESS9
Molecular Weight	66kDa
NCBI Official Full Name	serum albumin preproprotein
NCBI Official Synonym Full Names	albumin
NCBI Official Symbol	ALB
NCBI Official Synonym Symbols	HSA; PRO0883; PRO0903; PRO1341
NCBI Protein Information	serum albumin
UniProt Protein Name	Serum albumin
UniProt Gene Name	ALB

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