

Mouse anti-Human Albumin Monoclonal Antibody | anti-ALB antibody

Albumin (Transport Protein)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214963	Mouse	Human	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Albumin; Monoclonal Antibody; Albumin (Transport Protein); ALB; Albumin (32 AA); Albumin (AA 34); Albumin; Cell growth inhibiting protein 42; Growth inhibiting protein 20; HAS; Serum albumin; anti-ALB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	ALB/2356
Specificity	This MAb is Monospecific to albumin and shows no significant cross-reaction with other human proteins. 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Positive Control	HePG2 cells. Human serum. Liver or Hepatocellular Carcinoma.
Immunogen	Recombinant full-length human ALB protein
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	4q13.3
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Albumin Monospecific Mouse Monoclonal Antibody (ALB/2356). 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 Monospecific Mouse Monoclonal Antibody (ALB/2356). Confirmation of Purity and Integrity of Antibody.



IF (Immunofluorescence)

Immunofluorescent staining of paraformaldehyde-fixed HepG2 cells with Albumin Monospecific Mouse Monoclonal Antibody (ALB/2356) followed by goat anti-Mouse IgG-CF488 (Green). Nuclei are labelled with Reddot (Red).



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of paraformaldehyde-fixed HepG2 cells using Albumin Monospecific Mouse Monoclonal Antibody (ALB/2356) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



WB (Western Blot)

Western Blot Analysis of HepG2 cell lysate using Albumin Monospecific Mouse Monoclonal Antibody (ALB/2356).

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 #	NP_000468.1
UniProt Accession #	P02768
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
UniProt Entry Name	ALBU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/albumin-antibody-clone-alb-2356-western-blot-immunofluorescence-flow-cytometry-elisa/214963>