Albumin (ALB) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Albumin (ALB), Polyclonal Antibody
Full Product Name	Cy3-Linked Polyclonal Antibody to Albumin (ALB)
Product Gene Name	anti-ALB antibody
Product Synonym Names	Serum albumin
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat, Human, Mouse
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: ALB (MBS2001826) Cy3 Conjugated Antibody: ALB (MBS2050737)
Matching Pairs	Cy3 Conjugated Antibody: ALB (MBS2050737) Immunogen: ALB (MBS2018824)
Molecular Weight	45,160 Da
OMIM	V00494 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	Native Protein
Conjugation	Cy3
Cross Reactivity	Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2001826
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-ALB antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-ALB antibody	MBS2050737 is an antibody targeting ALB. Also known as Cy3-Linked Polyclonal Antibody to Albumin (ALB). Reactive in Rat, Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-ALB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ALB. It may not necessarily be applicable to this product.

NCBI GI #	178344
NCBI GeneID	213
NCBI Accession #	AAA98797.1
UniProt Secondary Accession #	O95574; P04277; Q13140; Q645G4; Q68DN5; Q6UXK4; Q86YG0; Q8IUK7; Q9P157; Q9P1I7; E7ESS9

UniProt Related Accession #	P02768
NCBI Official Full Name	albumin
NCBI Official Synonym Full Names	albumin
NCBI Official Symbol	ALB
NCBI Official Synonym Symbols	HSA; PRO0883; PRO0903; PRO1341
UniProt Protein Name	Serum albumin
Protein Family	Serum albumin
UniProt Gene Name	ALB
NCBI Protein Information	serum albumin
NCBI Summary for ALB	This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016]
UniProt Comments for ALB	albumin: Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc. Plasma. Belongs to the ALB/AFP/VDB family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Carrier; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 4q13.3 Cellular Component: endoplasmic reticulum; extracellular region; extracellular space; Golgi apparatus; nucleus; protein complex Molecular Function: chaperone binding; DNA binding; drug binding; fatty acid binding; identical protein binding; oxygen binding; protein binding; pyridoxal phosphate binding; toxin binding Biological Process: bile acid and bile salt transport; cellular response to starvation; hemolysis by symbiont of host red blood cells; lipoprotein metabolic process; maintenance of mitochondrion localization; negative regulation of apoptosis; platelet degranulation; receptor-mediated endocytosis; retinal homeostasis; sodium-independent organic anion transport; transport Disease: Analbuminemia; Hyperthyroxinemia, Familial Dysalbuminemic
Research Articles on ALB	**1.** Serum albumin levels are useful prognostic factors, along with platelet counts, in predicting survival in elderly patients with diffuse large B cell lymphoma.
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