

ARG62668 anti-Albumin antibody [AL-01]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [AL-01] recognizes Albumin
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, RIA, WB
Specificity	The clone AL-01 reacts only with human serum albumin, a 65-67 kDa monomeric protein in human blood plasma; it is produced in liver. No cross-reactivity was observed with other serum proteins.
Host	Mouse
Clonality	Monoclonal
Clone	AL-01
Isotype	IgG1
Target Name	Albumin
Species	Human
Immunogen	Fraction of proteins containing albumin after ammonium sulphate precipitation and DEAE-chromatography of human serum.
Conjugation	Un-conjugated
Alternate Names	FDAH; PRO0883; PRO1341; Serum albumin; ANALBA; PRO0903

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	IHC-P	5 µg/ml
	RIA	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	IHC-P: Liver	

Properties

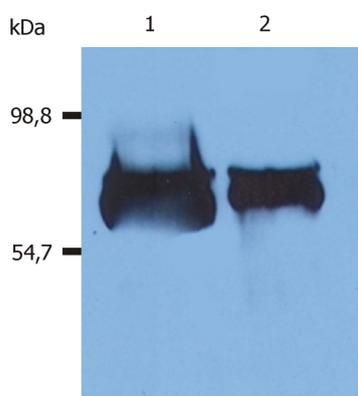
Form	Liquid
Purification	Purified from ascites by precipitation methods.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 213 Human Swiss-port # P02768 Human
Gene Symbol	ALB
Gene Full Name	albumin
Background	Human serum albumin (65-67 kDa) is the most abundant protein in human blood plasma (produced in the liver). It has a serum half-life of approximately 20 days.
Function	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. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	69 kDa
PTM	Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606. Glycated in diabetic patients. Phosphorylated by FAM20C in the extracellular medium. Acetylated on Lys-223 by acetylsalicylic acid.

Images



ARG62668 anti-Albumin antibody [AL-01] WB image

Western blot: 1. Human blood plasma 2. Human blood serum stained with ARG62668 anti-Albumin antibody [AL-01].