

## ARG53745 anti-Albumin antibody [AL-01] (Biotin)

Package: 100 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Mouse Monoclonal antibody [AL-01] recognizes Albumin
Tested Reactivity	Hu
Tested Application	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	Biotin
Alternate Names	FDAH; PRO0883; PRO1341; Serum albumin; ANALBA; PRO0903

### Application Instructions

Application table	Application	Dilution
	WB	2 - 5 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

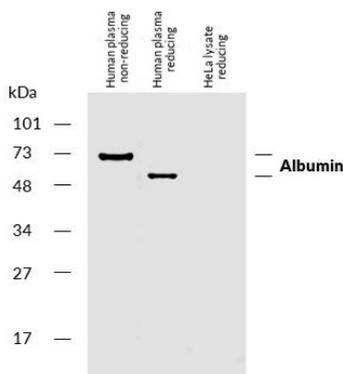
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 213 Human</a> <a href="#">Swiss-port # P02768 Human</a>
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



ARG53745 anti-Albumin antibody [AL-01] (Biotin) WB image

Western blot: Human plasma and HeLa cell lysate (negative control). The blots were stained with ARG53745 anti-Albumin antibody [AL-01] (Biotin) at 5 µg/ml dilution, under reducing and non-reducing conditions.