

ARG23499 anti-Albumin antibody [BGN/1328/33 (UA33)]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [BGN/1328/33 (UA33)] recognizes Albumin. Mouse anti Human Albumin antibody, clone BGN/1328/33 (UA33) recognizes human albumin.
Tested Reactivity	Hu
Species Does Not React With	Ms, Bov, Goat, Gpig, Hrs, Rb
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	BGN/1328/33 (UA33)
Isotype	IgG1
Target Name	Albumin
Species	Human
Immunogen	Human albumin.
Conjugation	Un-conjugated
Alternate Names	FDAH; PRO0883; PRO1341; Serum albumin; ANALBA; PRO0903

Application Instructions

Application table	Application	Dilution
	ELISA	1:100 - 1:1000
	WB	Assay-dependent

Application Note WB: Suitable for use under reducing conditions.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% 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.

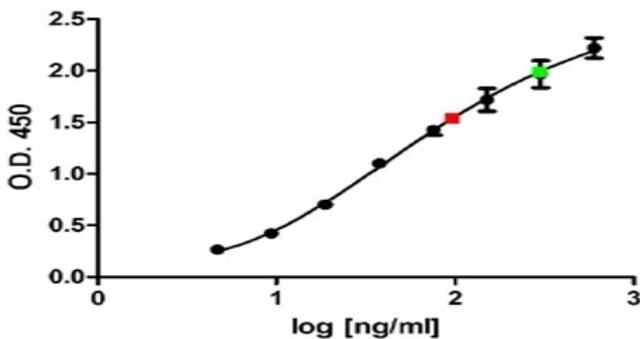
Note

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

Bioinformation

Gene Symbol	ALB
Gene Full Name	albumin
Background	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 a globular unglycosylated serum protein of molecular weight 65,000. 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 albumin. [provided by RefSeq, Jul 2008]
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]
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. [UniProt]

Images



ARG23499 anti-Albumin antibody [BGN/1328/33 (UA33)] ELISA image

Sandwich ELISA: Analysis of albumin binding using ARG23499 anti-Albumin antibody [BGN/1328/33 (UA33)] as a capture antibody and Biotinylated Sheep anti-Human albumin as a detection antibody with Human albumin purified from urine as antigen. Detection is by HRP-conjugated Streptavidin and substrate. Microtitre plate is read at O.D. 450 nm. Plasma sample is displayed at 30000 (Green) and 60000 (Red) fold dilutions.