

## Datasheet

### ALB monoclonal antibody (M01), clone 1G12-1B3

**Catalog Number:** H00000213-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant ALB.

**Clone Name:** 1G12-1B3

**Immunogen:** ALB (AAH34023, 19 a.a. ~ 609 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

RGVFRRDAHKSEVAHRFKDLGEENFKALVLIFAQYL  
QQCPFEDHVKLVNEVTEFAKTCVADESAENCDKSLHT  
LFGDKLCTVATLRETYGEMADCCAQKQEPERNECFLOH  
KDDNPNLPRPVRPEVDVMCTAFHDNEETFLKKYLEIA  
RRHPYFYAPELLFFAKRYKAAFTCECCQAADKAAACLLPK  
LDELRDEGKASSAKQRLKQKASLQKFGERAFKAWAVA  
RLSQRFPKAEFAEVSKLVTDLTKVHTECCHGDLLECA  
DDRADLAKYICENQDSISSKLEKCEKPLLEKSHCIAEV  
ENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMF  
LYEYARRHPDYSVLLLRLLAKTYETTLEKCCAAADPHE  
CYAKVFDEFKPLVEEPQNLKQNCLEFEQLGEYKFQNA  
LLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCKHPEA  
KRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCTES  
LVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSE  
KERQIKKQATALVELVKHKPKATKEQLKAVMDDFAAFVE  
KCKKADDKETCFAEGGKLVAAASQAALGL

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, IP, S-ELISA, WB-Re,  
WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 213

**Gene Symbol:** ALB

**Gene Alias:** DKFZp779N1935, PRO0883, PRO0903,  
PRO1341

**Gene Summary:** 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 prealbumin 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]

**References:**

1. Direct Reprogramming of Human Fibroblasts to Hepatocyte-Like Cells by Synthetic Modified mRNAs. Simeonov KP, Uppal H PLoS One. 2014 Jun 25;9(6):e100134. doi: 10.1371/journal.pone.0100134. eCollection 2014.
2. Hypoalbuminemia in early onset dentatorubral-pallidolusian atrophy due to leakage of albumin in multiple organs. Nagai S, Saito Y, Endo Y, Saito T, Sugai K, Ishiyama A, Komaki H, Nakagawa E, Sasaki M, Ito K, Saito Y, Sukigara S, Ito M, Goto YI, Ito S, Matsuoka K. J Neurol. 2012 Dec 23.
3. S-Adenosylmethionine Dependent Protein Methylation is Required for Expression of Selenoprotein P and Gluconeogenic Enzymes in Human Hepatocytes. Jackson MI, Cao J, Zeng H, Uthus EO, Combs GF Jr. J Biol Chem. 2012 Aug 29.