

**NPB028Hu51 100µg**

**Albumin (ALB)**

**Organism: Homo sapiens (Human)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

8th Edition (Revised in Jun, 2013)

## **[ PROPERTIES ]**

**Residues:** Met1~Leu609 (Accession # P02768).

**Host:** *Yeast (Pichia pastoris)*

**Subcellular Location:** Secreted.

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg  
(determined by the LAL method).

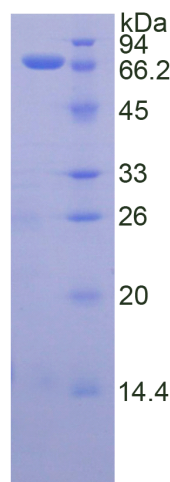
**Formulation:** Supplied as lyophilized form in PBS,  
pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Predicted isoelectric point:** 5.9

**Predicted Molecular Mass:** 69.4kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)



15% SDS-PAGE

## **[ USAGE ]**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## [ STORAGE AND STABILITY ]

### **Storage: Avoid repeated freeze/thaw cycles.**

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The target protein is listed below.

MKWVTFISLL FLFSAYSRG VFRRDAHKSE VAHRFKDLGE ENFKALVLIA FAQYLQQCPF  
EDHVKL VNEV TEFAKTCVAD ESAENCDKSL HTLFGDKLCT VATLRETYGE MADCCAKQEP  
ERNECFLQHK DDNP NLPRLV RPEVDVMCTA FHDNEETFLK KYLYEIARRH PYFYAPELLF  
FAKRYKAAFT ECCQAADKAA CLLPKLDEL R DEGKASSAKQ RLK CASLQKF GERA FKAWAV  
ARLSQRFPKA EFAEVSKLVT DLTKVHTECC HGD LLECADD RADLAKYICE NQDSISSKLK  
ECCEKPLLEK SHCIAEVEND EMPADLP SLA ADFVESKDVC KNYAEAKDVF LGMFLYEYAR  
RHPDYSVVLL LRLAKTYETT LEKCCAAADP HECYAKVFDE FKPLVEEPQN LIKQNCELFE  
QLGEYKFQNA LLVRYTKKVP QVSTPTLVEV SRNLGKVGSK CCKHPEAKRM PCAEDYLSVV  
LNQLCVLHEK TPVSDRVTKC CTESLVNRRP CFSALEVDET YVPKEFNAET FTFHADICTL  
SEKERQIKKQ TALVELVKHK PKATKEQLKA VMDDFAAFVE KCKKADDKET CFAEEGKKLV  
AASQAALGL

## [ REFERENCES ]

1. Cuya Guizado T.R., *et al.* (2012) Eur. Biophys. J. 41:1033-1042.
2. Krenzel E.S., *et al.* (2013) Biochemistry 52:1559-1567.
3. Khaziapoul S., *et al.* (2012) Biochem. Biophys. Res. Commun. 426:539-543.
4. Gunnarsson A.K., *et al.* (2012) Scand J Surg 101:204-210.