

Recombinant Immunoglobulin A (IgA) Instruction Manual

SIPA441Po01

Sus scrofa; Porcine (Pig)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	40.3kDa
Accurate Molecular Mass	40kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser1~Tyr341 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	6.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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SETSPKIFPL TLGSSEPAGY VVIACLVRDF FPSEPLVTW SPSREGVIVR  
NFPPAQAGGL YTMSSQLTLP VEQCPADQIL KCQVQHLSKS SQSVNVPCKV  
LPSDPCPQCC KPSLSLQPPA LADLLLGSNA SLTCTLSGLK KSEGVSFTWQ  
PSGGKDAVQA SPTRDSCGCY SVSSILPGCA DPWNKGETFS CTAHSELKS  
ALTATITKPK VNTFRPQVHL LPPPSEELAL NELVTLTCLV RGFSPKDVLV  
RWLQGGQELP RDKYLVWESL PEPGQAIPTY AVTSVLRVDA EDWKQGDTF  
CMVGHEALPL AFTQKTIDRL AGKPTHVNVS VVMAEAEGIC Y
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

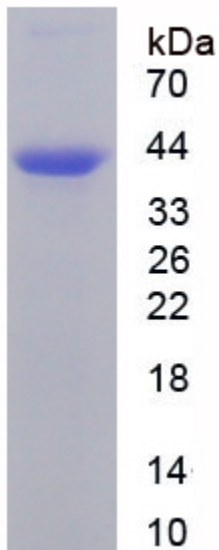


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.