

Recombinant Immunoglobulin M (IgM) Instruction Manual

SIPA439Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Secreted
Predicted Molecular Mass	63.7kDa
Accurate Molecular Mass	65kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser1~Tyr454 with Two N-terminal Tags, His-tag and SUMO-tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	7.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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SQSFPNVFPL VSCESPLSDK NLVAMGCLAR DFLPSTISFT WNYQNNTEVI  
QGIRTFPTLR TGGKYLATSQ VLLSPKSILE GSDEYLVCKI HYGKNRDLH  
VPIPAVAEMN PNVNVFVPPR DGFSGPAPRK SKLICEATNF TPKPITVSWL  
KDGKLVESGF TTDPTIENK GSTPQTYKVI STLTISEIDW LNLNVYTCRV  
DHRGLTFLKN VSSTCAASPS TDILTFTIPP SFADIFLSKS ANLTCLVSNL  
ATYETLNISW ASQSGEPLET KIKIMESHNP GTFSAKGVAS VCVEDWNNRK  
EFVCTVTHRD LPSPQKKFIS KPNEVHKHPP AVYLLPPARE QLNLRRESATV  
TCLVKGFSQA DISVQWLQRG QLLPQEKYVT SAPMPEPGAP GFYFTHSILT  
VTEEEWNSGE TYTCVVGHEA LPHLVTERTV DKSTGKPTLY NVSLIMSDTG  
GTCY
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

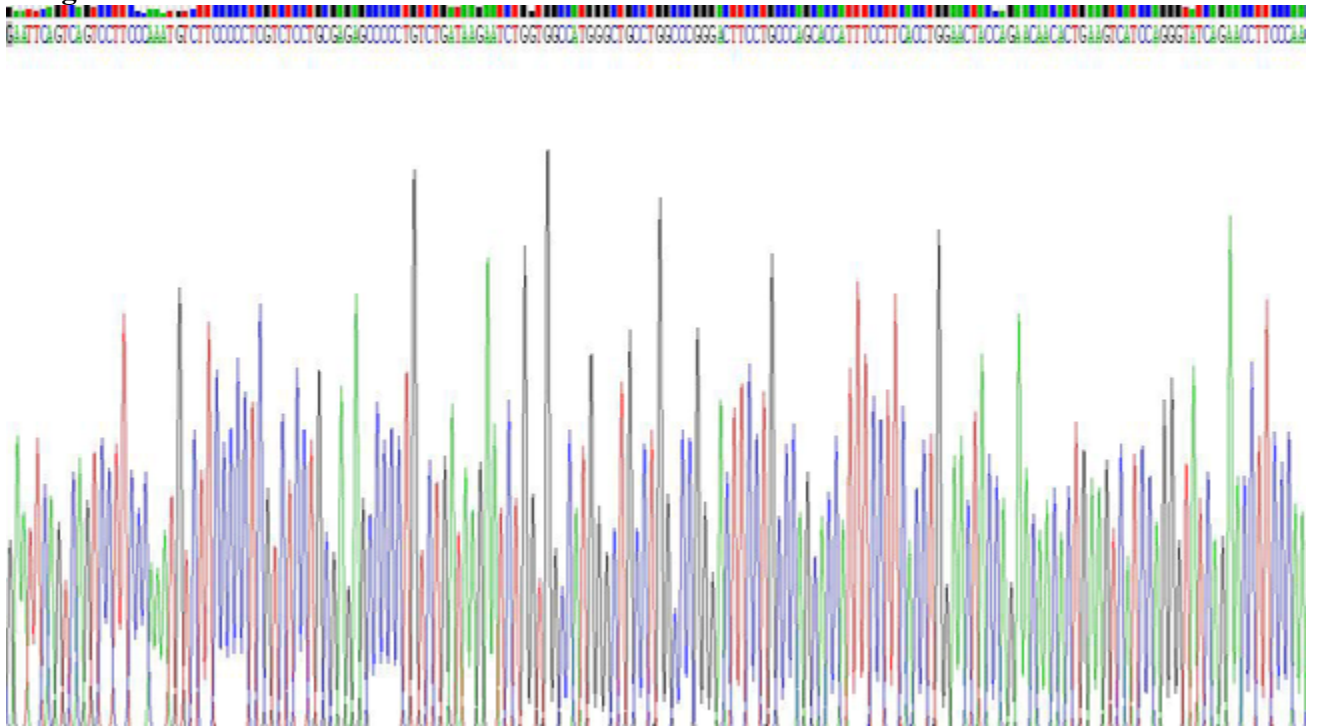


Figure. SDS-PAGE

[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.