

RPA543Mu01 10 μ g
Recombinant Immunoglobulin M (IgM)
Organism Species: *Mus musculus* (Mouse)
Instruction manual

FOR RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ser1~Tyr454

Tags: Two N-terminal Tags, His-tag and SUMO-tag

Subcellular Location: Membrane, Secreted

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

Original Concentration: 1500µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

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

Predicted isoelectric point: 7.0

Predicted Molecular Mass: 63.7kDa

Accurate Molecular Mass: 65kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[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. 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.

[SEQUENCE]

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

[IDENTIFICATION]

GAATTCAATGTCAGTCTTCCAAATGCTTCCCTCTGCTCTCTGCGAGAGGCCCTGTCTGATAGAAATCTGGTGGCCTGGCTGGCCGGGACTTCTGCTGCCAGCAACATTTCTCTTCTCTGGAACCAOCAGACAACTGAAATCATOCAGGGTATCAGAACCTTCCAAAT

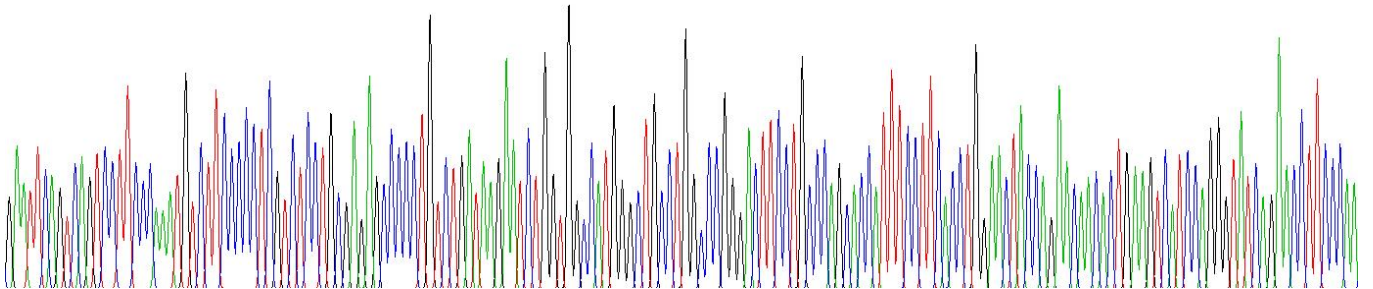


Figure . Gene Sequencing (extract)

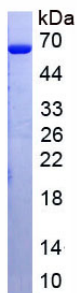


Figure. SDS-PAGE

[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.