RPB540Mu02 100μg

Recombinant Cluster Of Differentiation 147 (CD147)

Organism Species: *Mus musculus (Mouse)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ala22~Arg325

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

Subcellular Location: Membrane

Purity: > 95%

Traits: Freeze-dried powder

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

Original Concentration: 200μg/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: 5.0

Predicted Molecular Mass: 46.7kDa

Accurate Molecular Mass: 48kDa 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 2-8⁰C for one month.

Aliquot and store at -80⁰C 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]

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                    AAGFLKAPL SQERWAGGSV VLHCEAVGSP
IPEIQWWFEG NAPNDSCSQL WDGARLDRVH IHAAYRQHAA SSLSVDGLTA
EDTGTYECRA SSDPDRNHLT RPPRVKWVRA QASVVVLEPG TIQTSVQEVN
SKTQLTCSLN SSGVDIVGHR WMRGGKVLQE DTLPDLHTKY IVDADDRSGE
YSCIFLPEPV GRSEINVEGP PRIKVGKKSE HSSEGELAKL VCKSDASYPP
ITDWFWFKTS DTGEEEAITN STEANGKYVV VSTPEKSQLT ISNLDVNVDP
GTYVCNATNA QGTTRETISL RVRSR
```
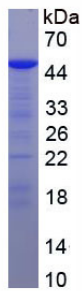
[IDENTIFICATION]

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.