RPA547Ra02 50µg

Recombinant Vascular Cell Adhesion Molecule 1 (VCAM1)

Organism Species: *Rattus norvegicus (Rat)*

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: Ala20~Thr682

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

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

Original Concentration: 100µg/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: 4.7

Predicted Molecular Mass: 76.5kDa

Accurate Molecular Mass: 77kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH$_2$O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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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              A VSQAFKIEIS PEYKTLAQIG DSMLLTCSTT
GCESPSFSWR TQIDSPLNGK VKTEGAKSVL TMDPVSFENE HSYLCTATCN
SGKLERGIQV DIYSFPKDPE IQFSGPLEVG KPVMVKCLAP DVYPIDRLEI
ELFKGDRLMK KQDFVDEMAK KSLETKSLEV IFTPVIEDIE KALVCRAKLY
IDQTDSIPKE RETVRELQVY TSPKNTEISV HPSTRLHEGA AVTMTCASEG
LPAPEIFWSK KLDNGVLQLL SGNATLTLIA MRMEDSGIYV CEGVNLVGRD
KTEVELIVQE KPFTVDISPG SQVAAQVGDS VVLTCAAVGC DSPSFSWRTQ
TDSPLNGEVR DEGATSTLTL SPVGVEDEHS YLCTVTCQRR KLEKTIQVEV
YSFPEDPEIE ISGPLVHGRP VTVNCTVPNV YPFDHLEIEL LKGETTLLNK
FLREEIGTKS LETKSLEMTF IPTAEDTGKA LVCLAKLHSS QMESEPKQRQ
STQTLYVNVA PKEPTIWVSP SPVPEEGSPV NLTCSSDGFP TPKILWSRQL
KNGELQPLSQ NTTLSFMATK MEDSGIYVCE GINEAGISKK SVELIIQGSS
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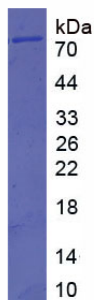
[IDENTIFICATION]

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.