

EPA363Ra61 50μg Eukaryotic Platelet/Endothelial Cell Adhesion Molecule (PECAM1) Organism Species: *Rattus norvegicus (Rat) Instruction manual*

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

Coud-Clone Corp.

[PROPERTIES]

Source: Eukaryotic expression Host: 293F cell Residues: GIn18~Lys589 Tags: N-terminal His Tag Subcellular Location: Membrane **Purity:** > 90% Traits: Freeze-dried powder Buffer formulation: PBS, pH7.4, containing 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: 6.9 Predicted Molecular Mass: 66.2kDa Accurate Molecular Mass: 120kDa as determined by SDS-PAGE reducing conditions. Phenomenon explanation: The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene.

- 2. Relative charge: The composition of amino acids may affects the charge of the protein.
- 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
- 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
- 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) 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.

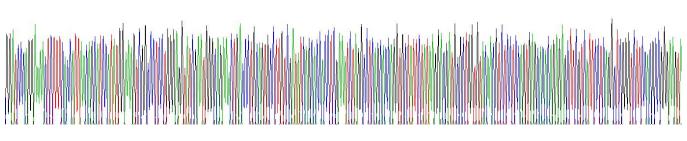
Aliquot and store at -80°C for 12 months.

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.

[<u>SEQUENCE</u>]

QEN	SFTINSIHME	SRPSWEVSNG	QKLTLQCLVD
ISTTSKSRPQ HQVLFYKDDA	LVYNVSSSEH	TESFVIPQSR	VFHAGKYKCT
VILNSKEKTT IEYQLTVNGV	PMPEVTVDKK	EVTEGGIVTV	NCSMQEEKPP
IYFKIEKVEL GTKNVKLSRE	KTSNMNFVLI	EFPIEEQDHL	LVFRCQAGVL
SGIKMQTSEF IRSEYVTVQE	FFSTPKFQIQ	PPEMIIEGNQ	LHIKCSVQVA
HLAQEFPEII IQKDKAIVAT	SKQSKEAVYS	VMALVEHSGH	YTCKVESNRI
SKASSILVNI TELFPRPKLE	LSSSRLDQGE	MLDLSCSVSG	APVANFTIQK
EETVLSQYQN FSKIAEERDS			
RIFHDAKFEI IKGQIIGISC	QSVNGTAPIT	YRLLRAKSNF	QTVQKNSNDP
VTFTDKPTRD MEYQCIVDNC	HSHPEVRSEI	LRVKVIAPVD	EVTISILSGN
DVQSGDEMVL RCSVKEGTGP	VTFQFYKEKE	GRPFHEETVN	DTQVFWHHEQ
TSKEQEGQYY CTAFNRASIV	TSLRSGPLTV	RVFLAPWKK	

[IDENTIFICATION]



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Figure . Gene Sequencing (extract)

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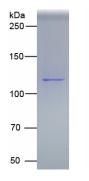


Figure. SDS-PAGE

[<u>IMPORTANT NOTE</u>]

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.