

EPB225Hu62 100µg

Eukaryotic Cluster Of Differentiation 56 (CD56)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Eukaryotic expression

Host: 293F cell

Residues: Leu20~Phe603

Tags: N-terminal His Tag and C-terminal Fc Region of Human IgG1

Subcellular Location: Membrane, Secreted

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

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: 4.3

Predicted Molecular Mass: 95.8kDa

Accurate Molecular Mass: 100kDa 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 affect 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.

[SEQUENCE]

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                L QVDIVPSQGE ISVGESKFFL CQVAGDAKDK
DISWFSPNGE KLTPNQQRIS VVWDDSSST LTIYNANIDD AGIYKCVVTG
EDGSESEATV NVKIFQKLMF KNAPTQEFR EGEDAVIVCD VVSSLPPTII
WKHKGRDVIL KKDVRFIVLS NNYLQIRGIK KTDEGTYRCE GRILARGEIN
FKDIQVIVNV PPTIQRQNI VNATANLGQS VTLVCDAEGF PEPTMSWTKD
GEQIEQEEDD EKYIFSDDSS QLTIKKVDKN DEAEYICIAE NKAGEQDATI
HLKVFAPKPI TYVENQTAME LEEQVTLTCE ASGDPIPSIT WRTSTRNISS
EEKASWTRPE KQETLDGHMV VRSHARVSSL TLKSIQYTDA GEYICTASNT
IGQDSQSMYL EVQYAPKLQG PVAVYTWEGN QVNITCEVFA YPSATISWFR
DGQLLPSSNY SNIKIYNTPS ASYLEVTPDS ENDFGNYNCT AVNRIGQESL
EFILVQADTP SSSPIDQVEP YSSTAQVQFD EPEATGGVPI LKYKAEWRAV
GEEVWHSKWY DAKEASMEGI VTIVGLKPET TYAVRLAALN GKGLGEISAA
SEF
    
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[IDENTIFICATION]

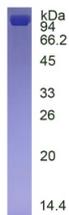


Figure. SDS-PAGE

[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.