



RPA150Ra01 100µg
Recombinant Carcinoembryonic Antigen (CEA)
Organism Species: Rattus norvegicus (Rat)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[**PROPERTIES**]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Asp209~Leu408

Tags: N-terminal His-Tag

Tissue Specificity: Leukocytes, Platelets, Liver, Intestine.

Subcellular Location: Cell membrane; Single-pass type I membrane protein.

Lateral cell membrane.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 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: 5.1

Predicted Molecular Mass: 26.1kDa

Accurate Molecular Mass: 26kDa 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]

DK GYYECEARNP ATFNRSDPFN LDVIYGPDAP VISPPDIYLH
QGSNLNLSCH ADSNPPAQYF WLINEKLQTS SQELFISNIT TNSGTYACF
VNNTVTGLSR TTVKNITVFE PVTQPSIQIT NTTVKELGSV TLTCFSKDTG
VSVRWLFNSQ SLQLTDRMTL SQDNSTLRID PIKREDAGDY QCEISNPVSF
RISHPIKL

[IDENTIFICATION]

DKGYYECEARNPATFNRSDPFNL DVIYGPDAPVISPPDIYLH QGSNLNLSCH ADSNPPAQYFWLINEKLQTS SQELFISNIT TNSGTYACFVNNT

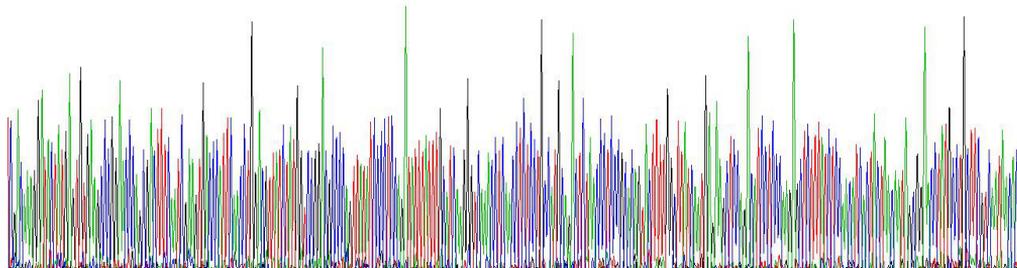


Figure 1. Gene Sequencing (Extract)

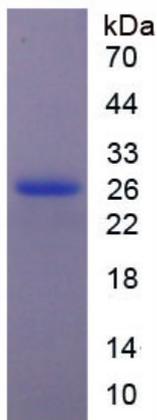


Figure 2. SDS-PAGE