

EPA544Rb61 100ug

Eukaryotic Immunoglobulin G (IgG)

Organism Species: *Oryctolagus cuniculus* (Rabbit)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Eukaryotic expression.

Host: 293F cell

Residues: Met1~Cys238

Tags: N-terminal His Tag

Tissue Specificity: Serum.

Subcellular Location: Secreted.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg (determined by the LAL method).

Traits: Freeze-dried powder

Buffer Formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Predicted isoelectric point: 4.8

Predicted Molecular Mass: 27.0kDa

Accurate Molecular Mass: 55&25kDa as determined by SDS-PAGE reducing conditions.

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Phenomenon explanation:

Rabbit IgG consists of 1455 amino acids and has a predicted molecular mass of 160 kDa. As a result of disulfide bond, the apparent molecular mass of IgG is approximately two lines 55kDa heavy chain and two lines 25kDa light chain in SDS-PAGE under 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]

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MDMRAPTQLL  GLLLLLWLPGA  RCDVVMQTTP  ASVEAPVGGT  VTIKCQASQS  
VSGYCSWYQQ  KPGQPPKLLI  YRASTLESGV  PSRFSGSGSG  TDFTLTISDL  
ECADAATYYC  QSNYNSGSSS  SAAAFGGGTE  VVVKGDPVAP  TVLIFPPAAD  
QVATGTVTIV  CVANKYFPDV  TVTWEVDGTT  QTTGIENSKT  PQNSADCTYN  
LSSTLTLTST  QYNSHKEYTC  KVTQGTTSVV  QSFNRGDC
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[IDENTIFICATION]

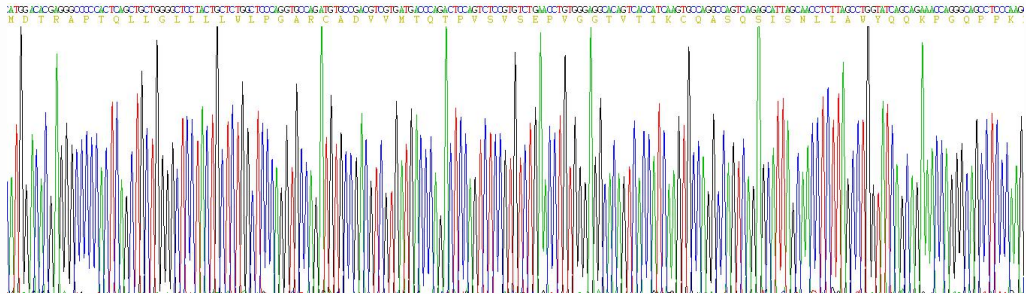


Figure 1. Gene Sequencing (extract)

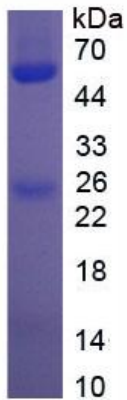


Figure 2. SDS-PAGE