



NPA074Hu01 10 μ g
Native Immunoglobulin G1 (IgG1)
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: Natural Extract

Host: Human (Serum)

Tissue Specificity: Serum.

Subcellular Location: Secreted.

Purity: >95% as determined by SDS-PAGE.

Purification Methods: Salt co-precipitation and protein A affinity chromatography.

Traits: Freeze-dried powder

Buffer Formulation: 10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.

Original Concentration: 200ug/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: 8.6

Accurate Molecular Mass: 146kDa

Observe Molecular Mass: 55kDa, 25kDa

Phenomenon explanation:

Human IgG1 has a predicted molecular mass of 146kDa. 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 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.

[IDENTIFICATION]

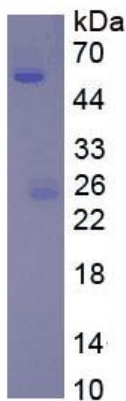


Figure 1. SDS-PAGE

[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.