

**NPA074Hu01 4mg**  
**Native Immunoglobulin G1 (IgG1)**  
**Organism Species: Homo sapiens (Human)**  
***Instruction manual***

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

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11th Edition (Revised in May, 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:** NaH<sub>2</sub>PO<sub>4</sub>, Na<sub>2</sub>HPO<sub>4</sub>, pH7.4.

**Original Concentration:** 200ug/mL

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

(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  $\text{NaH}_2\text{PO}_4$  and  $\text{Na}_2\text{HPO}_4$  (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 ]

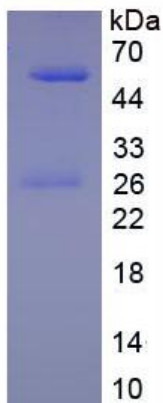


Figure 1. SDS-PAGE