NPB682Hu01 10ug

Native Immunoglobulin G2 (IgG2)

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 PB, containing 5% trehalose.
Applications: Positive Control; Immunogen; SDS-PAGE; WB.
(May be suitable for use in other assays to be determined by the end user.)
Accurate Molecular Mass: 146kDa
Observe Molecular Mass: 55kDa, 25kDa
Phenomenon explanation:
Human IgG2 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 PB to a concentration of 0.1-1mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.
Store at 2-8^{o}C for one month.
Aliquot and store at -80^{o}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^{o}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]

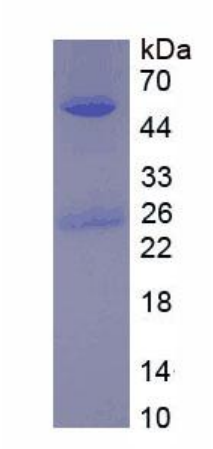

Figure 1. SDS-PAGE

[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.