

**NPA082Hu01 100µg**  
**Native Laminin (LN)**  
**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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12th Edition (Revised in Aug, 2016)

## [ **PROPERTIES** ]

**Source:** Natural Extract

**Host:** Human

**Subcellular Location:** Secreted.

**Purity:** >90% as determined by SDS-PAGE.

**Purification Methods:** Salt co-precipitation and ionic-Exchange chromatography.

**Traits:** Freeze-dried powder

**Buffer Formulation:** PBS, pH7.4, containing 1mM DTT, 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.)

### **Phenomenon explanation:**

Laminins are high-molecular weight (~805kDa) proteins of the extracellular matrix. They are a major component of the basal lamina (one of the layers of the basement membrane), a protein network foundation for most cells and organs. Laminins are heterotrimeric proteins that contain an  $\alpha$ -chain, a  $\beta$ -chain, and a  $\gamma$ -chain, with molecular weight 400kDa, 200kDa, 200kDa, respectively

## [ **USAGE** ]

Reconstitute in 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.