

Prestained Protein Ladder (10-180KDa)

(PM001)

Product Description

The Prestained Protein Ladder (10-180 KDa) consists of 10 proteins with different molecular weights pre-stained in three colors, with a molecular weight range of 10 ~ 180 kDa. Among them, the 70 kDa band is orange-red, the 17 kDa, 25 kDa, 33 kDa, 43 kDa, 55 kDa, 95 kDa, 130 kDa and 180 kDa bands are blue, and the 10 kDa band is green. This product is used in SDS-PAGE experiments to clearly indicate the electrophoresis progress and accurately determine the molecular weight of target proteins; in Western blot experiments, it can be used to monitor the transfer effect of PVDF or NC membranes and judge the detection status of target proteins. This prestained protein molecular weight standard is formulated in 1×SDS-PAGE loading buffer, ready to use without boiling, dilution or addition of reducing agent for treatment. The recommended loading volume of this product is 5 µL.

Components

Product Name	Cat. No.	Volume
Prestained Protein Ladder (10-180KDa)	PM001-01	250 µL

Storage Conditions

Store at -30 ~ -15°C, transport at ≤0°C, with a shelf life of two years.

Scope of Application

Suitable for SDS-PAGE and Western blot experiments.

Notes

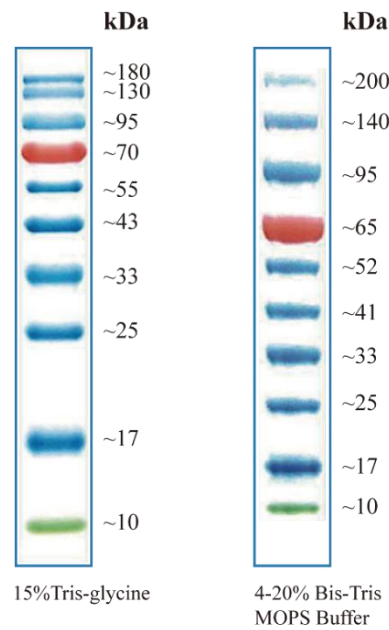
1. This product is ready to use without boiling, dilution or addition of reducing agent for treatment.
2. In Western blot experiments, macromolecular proteins (>100 kDa) may require a longer transfer time or a higher transfer current to complete the transfer.
3. For your health, wear a lab coat and disposable gloves during operation. This product is for research use only.

Experimental Procedure

1. Leave the product at room temperature for several minutes before loading. After thawing, shake gently to ensure uniform mixing of the solution, and use it after brief centrifugation.

2. Load 5 μL of the sample into the gel well (the loading volume can be appropriately increased if the loading well is wide or the gel is thick).

Product Illustrations



Note:

The apparent molecular weight of each protein (KDa) has been determined by calibration against an unstained protein ladder in each electrophoresis condition.
**supplement data should be considered for more accurate adjustment.

Figure 1. Schematic diagram of electrophoresis and transfer results of PM001 on 15% SDS-PAGE and 4%~20% polyacrylamide gradient gel



Figure 2. Migration pattern of PM001 under different electrophoresis conditions