

# 180 kDa Prestained Protein Marker

MP102



Version 21.1

## Product Description

180 kDa Prestained Protein Marker is composed of 10 kinds prestained protein. The molecular weight ranges from 10 kDa to 180 kDa. Among them, 70 kDa is a red band, 15 kDa, 25 kDa, 35 kDa, 40 kDa, 55 kDa, 100 kDa, 130 kDa, and 180 kDa are blue bands, and 10 kDa is a green band. This product dynamically indicates the protein electrophoresis status and the molecular weight of the target protein can be clearly judged. Besides, it can be transferred to PVDF membrane (or NC membrane) after SDS-PAGE electrophoresis, and clear color bands can be seen to monitor Western Blot Transfer efficiency. The recommended loading volume for this product is 5  $\mu$ l.

## Components

Components	MP102-01 (100 rxns, 5 $\mu$ l/rxn)	MP102-02 (500 rxns, 5 $\mu$ l/rxn)
180 kDa Prestained Protein Marker	2 $\times$ 250 $\mu$ l	10 $\times$ 250 $\mu$ l

## Storage

Store at -30  $\sim$  -15 $^{\circ}$ C. Transport with ice packs, and the validity period is 2 years. For regular use, it can be stored at 4  $\sim$  8 $^{\circ}$ C, and the validity period is 3 months. It is recommended to store in aliquots to avoid repeated freezing and thawing.

## Applications

It can be used to indicate the protein electrophoresis status and the molecular weight of the target protein in Western Blot and SDS-PAGE.

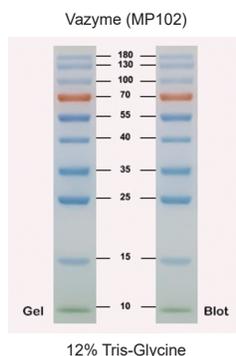
## Notes

This product is conveniently packaged and can be used without heating, diluting or using other reducing agents.

1. In Western Blot the large molecular protein (>100 kDa) in the product may require a longer transfer time or transfer current to complete the transfer.
2. The pre-stained protein bands have different mobility in different SDS-PAGE buffer. In low-concentration gels (<10%), low molecular weight protein bands may migrate with the dye. This is only for reference when used to determine the molecular weight of the target protein.
3. For your health, please wear lab coats and disposable gloves.
4. It is recommended to use 12% separating gel for electrophoresis.

## Experiment Process

1. This product is a ready-to-use product. Before loading, leave it at room temperature for a few minutes and then thaw it. Shake it gently to ensure the solution is evenly mixed;
2. In SDS-PAGE electrophoresis, load 5  $\mu$ l of this product (If the hole is wider, the loading amount can be increased appropriately).



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