



MP171211

Pre-stained Protein Marker (11~245 kDa)

Cat. no. 4992954

Storage: 4°C (store at -20°C for long term storage)

Concentration: 0.1~0.4 µg /µl of each protein.

Product size

Pre-stained Protein
Marker100 µl
(20 lanes)

TIANGEN BIOTECH (BEIJING) CO., LTD.

[HTTP://WWW.TIANGEN.COM/EN](http://www.tiangen.com/en)

The product is used for research only, neither intended for the diagnosis, or treatment of a disease, nor for the food, or cosmetics etc.

Description

TIANGEN Pre-stained Protein Marker is a tricolor protein molecular weight standard with twelve pre-stained recombinant proteins covering a range from 11 kDa to 245 kDa. The marker contains one green and one red band of 25 kDa and 75 kDa respectively, the rest bands are blue reference bands of 245 kDa, 180 kDa, 135 kDa, 100 kDa, 63 kDa, 48 kDa, 35 kDa, 20 kDa, 17 kDa and 11 kDa respectively.

TIANGEN Pre-stained Protein Marker is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis and verification of Western Blot transfer efficiency.

Storage buffer

20 mM Tris-HCl (pH 7.5), 1 mM Dithiothreitol, 15% glycerol, 2% SDS, 3.6 mM Urea.

1× SDS-PAGE buffer: 3.0 g Tris base (25 mM), 18.8 g Glycine (250 mM), 1 g SDS, dilute with ddH₂O to 1 L.

1× Transfer buffer(Dry transfer): 5.8 g Tris base (48 mM), 2.9 g Glycine (39 mM), 0.37 g SDS, 20% methanol, dilute with ddH₂O to 1 L.

Protocol

1. Thaw the marker at room temperature for a few minutes to dissolve precipitated solids. Do not boil.
2. Mix gently, but thoroughly, to ensure the solution is homogeneous.
3. Load 5 µl of the marker per well for gels with a thickness of 1.0 mm. Load 3 µl of the marker per well for blotting. The loading volume should be increased for thicker gels.

Electrophoresis

12~15% SDS-PAGE, 120~200 V for 30~50 min (Mini Electrophoresis System)

Note

1. Excessive electrophoresis run time may cause the diffusion of the protein bands.
2. Pre-stained Protein Marker is not suited for long-time (overnight) Western transfer in low voltage.

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