

ColorMixed Protein Marker 180 (10–180 kDa)

Cat No.: RM19001

Size: 250 μ L/2×250 μ L/10×250 μ L

◆ Description

This product is a ready-to-use tricolor protein standard with a molecular weight range of 10–180 KDa, and the content of each protein is approximately 0.1–0.4 mg/mL. When separated by SDS-PAGE (using Tris-glycine buffer), all bands are blue except for two reference bands: the 25 KDa band is green, and the 75 KDa band is red. This product can indicate the protein separation status during the SDS-PAGE electrophoresis process, the approximate size of proteins, and verify the WB (Western Blot) transfer efficiency.

◆ Contents

Approximately 0.1–0.4 mg/mL of each protein in the Duffer (20 mM Tris-phosphate(pH 7.5 at 25°C), 2% SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15%(v/v) Glycerol).

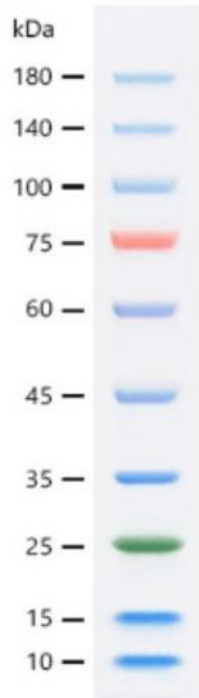
◆ Storage

Store at 4 °C for 3 months; store at -20 °C for 3 years.

◆ Notice

1. Ready-to-use: Can be directly loaded without heating or dilution
2. Two reference bands: 75 KDa (red), 25 KDa (green)
3. Recommended product dosage: 3~10 μ L per well. The loading volume should be adjusted appropriately according to different gel concentrations and loading well sizes. For example, the loading volume for low-concentration gels is recommended to be increased by at least 2 μ L.
4. Applicable membrane types: PVDF membrane, nylon membrane, NC membrane (Note: NC membrane is the abbreviation of "Nitrocellulose Membrane", i.e., nitrocellulose membrane, a common term in Western Blot experiments, and the abbreviation is usually retained in English technical documents for conciseness)
5. The membrane transfer effect is related to the transfer time and needs to be determined according to the size of the target band. It is a normal phenomenon that some of the bands with larger molecular weights are not successfully transferred after membrane transfer.

◆ Guide for molecular weight estimation

Band	Color	Tris-Glycine/ kDa	Bis-Tris (Mops) / kDa	Bis-Tris (Mes) / kDa	
1	Blue	180	170	170	
2	Blue	140	130	130	
3	Blue	100	93	93	
4	Red	75	70	72	
5	Blue	60	53	53	
6	Blue	45	41	42	
7	Blue	35	30	30	
8	Green	25	22	23	
9	Blue	15	14	14	
10	Blue	10	9	10	