IMMUNOLOGICAL SCIENCES Product Data Sheet

WB-RR-120-5 **3 Color Protein Molecular Weight Marker Range (10-180 kDa)**

Size: 500 ul

Description

The 3 Color Protein Molecular Weight Marker High Range (10-180 kDa)is a ready to use three-color protein standard with 1 O pre-stained proteins covering a wide range of molecular weights from 1O to 180 kDa
(9 to 170 kDa in Bis-Tris (MOP5) buffer and 1O to 170 kDa in Bis-Tris (ME5) buffer). Proteins are covalently coupled with a blue chromophore except for two reference bands (one green and one red band at 25 kDa and 75 kDa respectively) when separated on 505-PAGE (Tris-Glycine buffer).
This marker is designed for monitoring protein separation during 505-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes, (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins.

Contents

Approximately 0.1 ~0.4 mg/ml of each protein in the buffer (20 mM Tris-phosphate (pH 7.5 at 25°C), 2 % 505, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15 % (v/v) Glycerol).

Storage

4°C for 3 months, -20°C for 2 years

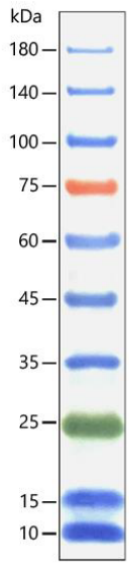
Notice

1. Ready to use: Do NOT heat, dilute, or add reducing agents before loading
2. Reference bands: 75kDa (red), 25kDa (green)
3. Loading Volume: 3-5 uL/well for mini gel; 1.5-2.5 uL/ well for Western transfer; 6-10 uL/ well for large gel
4. Type of membranes: PVDF, nylon, or nitrocellulose

Guide tor Molecular Weight Estimation

Migration patterns and approximate MWs (kDa) of 3 Color Protein Molecular Weight Marker High Range (10-180 kDa) in different electrophoresis conditions are listed below:

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



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