

ColorMixed Protein Marker 180

Catalog: RM19001

Size: 500l:250µl*2/ 2500 :250µl*10

◆ Description

The Color Mixed Protein Marker 180 plus is a ready to use three-color protein standard with 10 pre-stained proteins covering a wide range of molecular weights from 10 to 180 kDa (9 to 170 kDa in Bis-Tris (MOPS) buffer and 10 to 170 kDa in Bis-Tris (MES) 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 SDS PAGE (Arise Glycine buffer). This marker is designed for monitoring protein separation during SDS-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% SDS, 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

Ready to use: DO NOT heat, dilute, or add reducing agents before loading; reference bands: 70kDa (Red) , 25kDa (Green) ;Loading Volume: 3-5 µl/well for mini gel; 6-10 µl/well for large gel; type of membranes: PVDF, nylon, or nitrocellulose.

Guide for molecular weight estimation

Migration patterns and approximate MWs (kDa) of ColorMixed Protein Marker 180 plus are listed below:

Protein bands	Colour	TRIS-GLYCINE/ kDa	BIS-TRIS(MOPS)/ kDa	BIS-TRIS(MES)/ kDa	kDa
1	Blue	180	170	170	180 —
2	Blue	140	130	130	140 —
3	Blue	100	93	93	100 —
4	Red	75	70	72	75 —
5	Blue	60	53	53	60 —
6	Blue	45	41	42	45 —
7	Blue	35	30	30	35 —
8	Green	25	22	23	25 —
9	Blue	15	14	14	15 —
10	Blue	10	9	10	10 —

