



SMOBIO

Small Bio, Smart Tool

www.smobio.com

Product Information

ExcelBand All Blue Regular Range Protein Marker

PM1500

Size: 250 μ l \times 2
5 μ l per well for 100 applications

Storage

4°C \geq 3 months
-20°C \geq 24 months

Loading Volume

- 3 μ l or 5 μ l per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively.
- 1.5~2.5 μ l per well for general Western transferring.
- Apply more for thicker (> 1.5 mm) or larger gel.

Description

The PM1500 ExcelBand All Blue Regular Range Protein Marker is a blue protein standard with 10 pre-stained proteins covering a wide range of molecular weights from 10 to 180 kDa in Tris-Glycine buffer (9 to 170 kDa in Bis-Tris (MOPS) buffer and Bis-Tris (MES) buffer). Proteins are covalently coupled with a blue chromophore, and two reference bands (at 25 kDa and 72 kDa, respectively) are enhanced in intensity when separated on SDS-PAGE (Tris-Glycine buffer).

The PM1500 ExcelBand All Blue Regular Range Protein 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.


The marker is supplied in gel loading buffer and is ready to use. **Do NOT heat, dilute, or add reducing agent before loading.**

Contents

Approximately 0.1~0.5 mg/ml of each protein in the buffer (20 mM Tris-phosphate, pH 7.5, 2% SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15% (v/v) Glycerol).

Guide for Molecular Weight Estimation (kDa)

Migration patterns of All Blue Regular Range Protein Marker in different electrophoresis conditions are listed below:

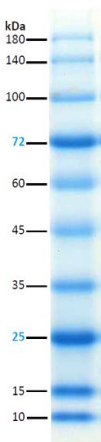
Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)	
Blue	180	170	170	
Blue	140	130	130	
Blue	100	93	93	
Blue	72	68	70	
Blue	60	53	53	
Blue	45	41	42	
Blue	35	30	30	
Blue	25	22	23	
Blue	15	14	14	
Blue	10	9	10	

4-12% BIS-TRIS gel MES buffer



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6-20% Tris-Glycine



Note. The apparent molecular weight (kDa) of each protein has been determined by calibration against an unstained protein standard; supplemental data should be considered for more accurate adjustment in different electrophoresis conditions.

Quality Control

Under suggested conditions, PM1500 All Blue Regular Range Protein Marker resolves 10 major bands in 15% or 4-20% Tris-Glycine Gel with Tris-Glycine buffer and after Western blotting to nitrocellulose membrane.

Caution: Not intended for human or animal diagnostic or therapeutic uses.

Related Products

PM1600	ExcelBand All Blue Regular Range Plus Protein Marker, 250 μ l \times 2
PM1700	ExcelBand All Blue Broad Range Protein Marker, 250 μ l \times 2
PM2400	ExcelBand Pink Blue Protein Marker, 250 μ l \times 2
PM2500	ExcelBand 3-color Regular Range Protein Marker, 250 μ l \times 2
PM2600	ExcelBand 3-color High Range Protein Marker, 250 μ l \times 2
PM2700	ExcelBand 3-color Broad Range Protein Marker, 250 μ l \times 2
PM5000	ExcelBand 3-color Pre-stained Protein Ladder, Regular Range, 250 μ l \times 2
PM5100	ExcelBand 3-color Pre-stained Protein Ladder, High Range, 250 μ l \times 2
PM5200	ExcelBand 3-color Pre-stained Protein Ladder, Broad Range, 250 μ l \times 2
PS1000	FluoroStain Protein Fluorescent Staining Dye (Red, 1,000X), 1 ml
PS1001	FluoroStain Protein Fluorescent Staining Dye (Red, 1,000X), 1 ml \times 5
DM1160	FluoroBand 50 bp Fluorescent DNA Ladder, 500 μ l
DM2160	FluoroBand 100 bp Fluorescent DNA Ladder, 500 μ l

DM2360	FluoroBand 100 bp+3K Fluorescent DNA Ladder, 500 μ l
DM3160	FluoroBand 1 KB (0.25-10 kb) Fluorescent DNA Ladder, 500 μ l
DM3260	FluoroBand 1 KB Plus (0.1-10 kb) Fluorescent DNA Ladder, 500 μ l
DM4160	FluoroBand XL 25 kb Fluorescent DNA Ladder, Broad Range (up to 25 kb), 500 μ l
DL5000	FluoroDye DNA Fluorescent Loading Dye (Green, 6X), 1ml
DS1000	ExcelStain DNA Fluorescent Staining Dye (Green, 10,000X), 500 μ l
DS1001	ExcelStain DNA Fluorescent Staining Dye (Green, 10,000X), 500 μ l x 5
VE0100	B-BOX™ Blue Light LED epi-illuminator, AC 100-240V, 50/60Hz