Biomate Pre-Stained Protein Marker (9-245 kDa)

Cat. No.: **BR1811**

COMPONENTS: **250µl x 2**
Loading Volume: 5µl/Lane
Approximately 0.1~0.4 mg/ml of each protein in the buffer (20 mM Tris-phosphate, pH 7.5 at 25℃), 2 % SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15 % Glycerol).

DESCRIPTION:

The Biomate Pre-Stained Protein Marker (9-245 kDa) is a ready to use three-color protein standard with 12 pre-stained proteins covering a wide range of molecular weights from 10 to 245 kDa in Tris-Glycine buffer (9 to 235 kDa in Bis-Tris (MOPS) buffer and 10-235 kDa in Bis-Tris (MES) buffer). Proteins are covalently coupled with different chromophores for easy identification of bands, with two reference proteins carrying enhanced intensity corresponding to a green at 25 kDa and red at 75 kDa, respectively, as separated on SDS-PAGE (Tris-Glycine buffer).

The Biomate Pre-Stained Protein Marker (9-245 kDa) 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 and add reducing agent before loading.**

Loading Volume:

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

Guide for Molecular Weight Estimation (kDa) Migration patterns:

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)
1	Blue	245	235	235
2	Blue	180	170	170
3	Blue	140	130	130
4	Blue	100	93	93
5	Red	75	70	72
6	Blue	60	53	53
7	Blue	45	41	42
8	Blue	35	30	30
9	Green	25	22	23
10	Blue	20	18	18
11	Blue	15	14	14
12	Blue	10	9	10

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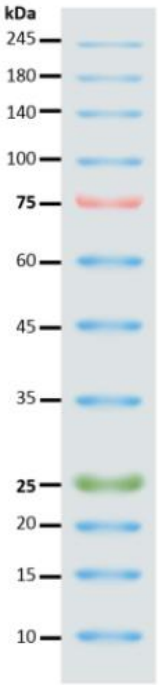

STORAGE: Store at 4°C ≥ 3 months, -20°C ≥ 24 months
Avoid multiple freeze-thaw cycles
For Research Using Only.

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