

## Mid-range Pre-stained Markers

Product	Volume	Cat. No.	Remarks
<b>Mid-range (all blue) Pre-stained Marker</b>	500 $\mu\text{l}$	EBM-1014	all blue pre-stained
<b>Mid-range (dual color) Pre-stained Marker</b>	500 $\mu\text{l}$	EBM-1018	blue and red banding during electrophoresis
<b>Mid-range (multi color) Pre-stained Marker</b>	500 $\mu\text{l}$	EBM-1013	blue, violet, red, orange, green, yellow banding

### Description

Elpis Biotech's Mid-range Pre-stained protein size markers are mixture of 7 recombinant purified and pre-stained polypeptides whose molecular weights are well-adjusted. The each pre-stained protein size marker is available in a ready-to-use formula (no need to boil before use), and is suitable for sizing proteins between 15,000 and 100,000 Da by SDS-PAGE. Chromophores are covalently bound to proteins, and 7 pre-stained proteins are visible during electrophoresis or electrophoretic transfer from the gel to a membrane. The 50 kDa protein added double enables easy identification of migrating bands.

Because coupling of chromophore to the proteins affects their apparent molecular weights in SDS-PAGE relative to unstained proteins, unstained protein standard (Cat. No. EBM-1015) should be used for accuracy >95%.

### Recommended loading volume

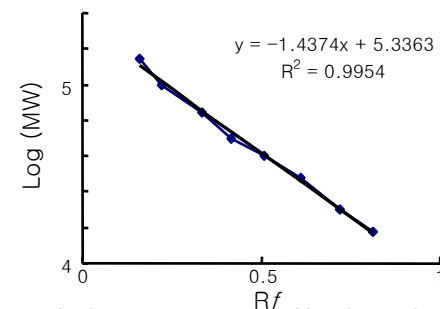
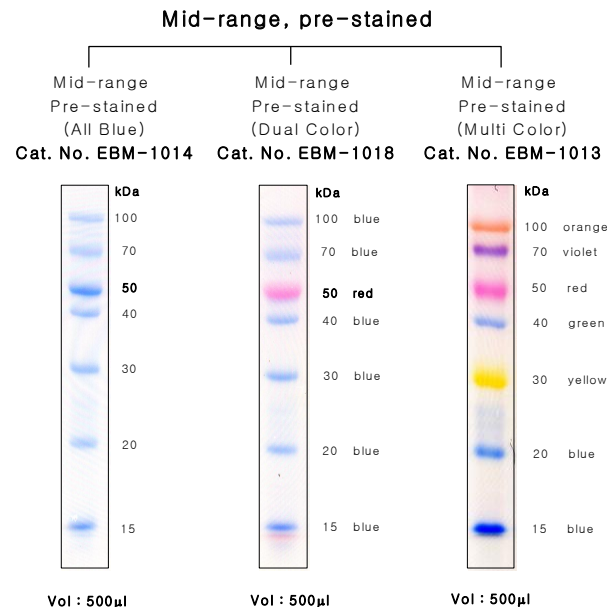
- ◆ 5  $\mu\text{l}$ /lane for a mini-gel (10x8cm<sup>2</sup>, 0.75 mm or 1 mm thick)
- ◆ 10-15  $\mu\text{l}$ /lane for a large-gel (30x20cm<sup>2</sup>, 1 mm or 1.5 mm thick)

### Recommended storage condition

- ◆ -20°C for one year
- ◆ Please aliquot in a small volume for prevention of repeated freezing & thawing

### Cautions

- ◆ Repeated freezing & thawing, long-term storage and re-use of pipette tip may degrade proteins rapidly
- ◆ These markers are provided as a ready to load format, meaning that there is no need to boil before use. But precipitation of SDS may be occur by long-term storage below at 4°C and you can load markers just after dissolving the precipitant by raising to 50-80°C for a few minutes.



Standard curves are generated by plotting log molecular weight (MW) versus migration distance ( $R_f$ ) of each band in mid-range pre-stained marker (EBM-1018) through an **Gradi-Gel™ II** gradient gel.

**“Be Happy Always”**