

BlueStar Prestained Protein Marker (Cat. No. MWP03 Size: 500 µl)

We recommend to use 3 µl or 5 µl per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gels. For Western Blot experiments we recommend to use 2~3 µl per well.

If you like to use thicker (>1.5 mm) or larger gel, please apply more of the **Blue Star Prestained Protein Marker**

Description:

The **BlueStar Prestained Protein Marker** is a three-color protein standard with 10 pre-stained proteins covering molecular weights from 10 to 180 kDa. 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 (Tris-Glycine buffer).

The **BlueStar Prestained Protein Marker** is designed for monitoring proteins separated during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for *approximate* sizing of proteins. The marker is supplied in gel loading buffer and is ready to use.

Do not heat, dilute and/or add reducing agent before loading.

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, 1 mM Dithiothreitol, 3.6 M Urea, and 15 % (v/v) Glycerol).

Quality Control:

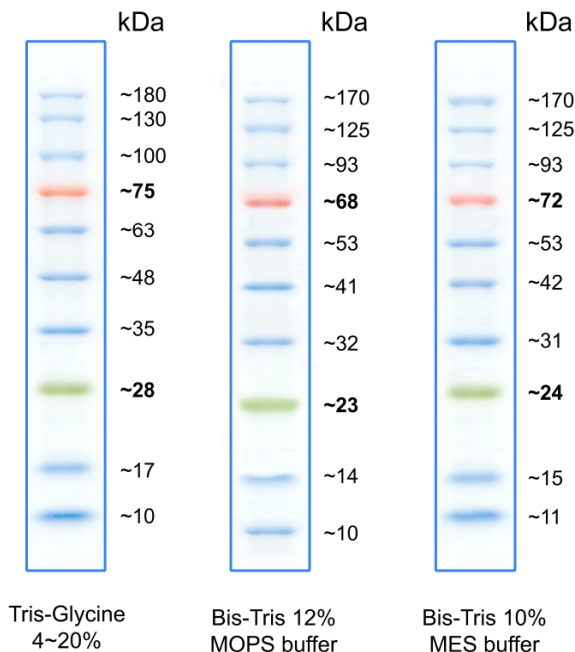
5 µl of **BlueStar** Prestained Protein Marker resolves 10 bands in 4-20% SDS-PAGE Tris-glycine buffer) and after Western blotting to PVDF membrane.

Storage condition and shelf life:

Stable at +25 °C for 2 weeks

Stable at +4 °C for 3 months

Store at -20 °C for 24 months



Migration patterns of **BlueStar Prestained Protein Marker** in different electrophoresis buffers

Note: The apparent molecular weight of each protein (kDa) has been determined by calibration against an unstained protein ladder in each electrophoresis condition.

* supplement data should be considered for more accurate adjustment.

All products are for research use only and not intended for human or animal diagnostic or therapeutic uses.

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