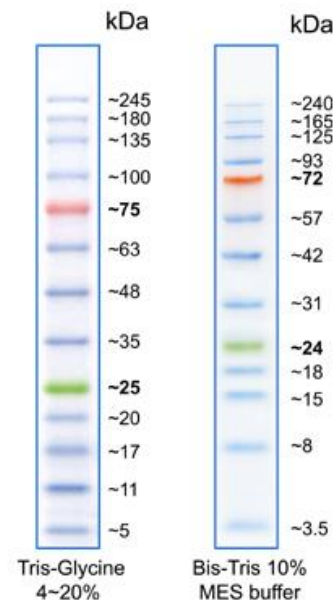


AvansBio Trio-13 Prestained Protein Marker

Description

AvansBio Trio-13 Prestained Protein Marker is a three-color protein standard with 13 pre-stained proteins covering a wide range molecular weights from 3.5 to 245 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 Trio-13 Prestained 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, add reducing agent before loading.



Features

- Broad range: 3.5-245 kDa
- Ready-to-use: supplied in a loading buffer for direct loading on gels
- Easy to identify: one green and one red band at 25 kDa and 75 kDa respectively
- Sharp bands

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).

Quality Control :

Under suggested conditions, AvansBio Trio-13 Prestained Protein Marker resolves 13 major bands in polyacrylamide gel with appropriate buffers and after Western blotting to nitrocellulose membrane.

Storage :

Stable for up to 2 weeks at 25°C

Stable for up to 3 months at 4°C

For long term storage, store at -20°C

Recommendations for Loading

- 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.