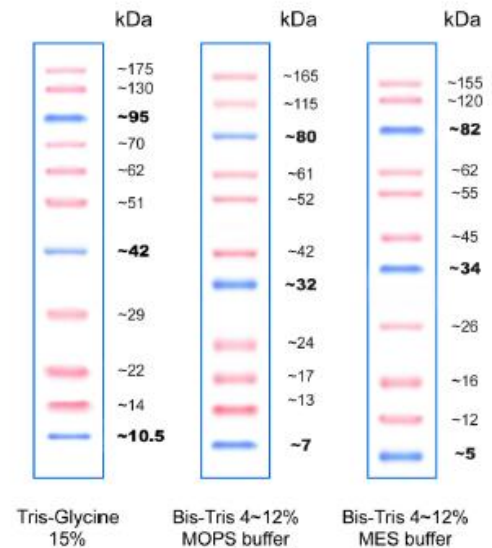


AvansBio Duo Prestained Protein Marker

Description

AvansBio Duo Prestained Protein Marker is a two-color protein standard with 11 prestained proteins covering a wide range molecular weights from 10 to 175 kDa. Proteins are covalently coupled with a pink chromophore except for three reference bands of blue color (at 10, 40, and 90 kDa respectively) when separated on SDS-PAGE (Tris-glycine buffer). Duo 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: 10-175 kDa
- Ready-to-use: supplied in a loading buffer for direct loading on gels
- Easy to identify: includes the ~10, ~40 and ~90 kDa reference bands coupled with a blue dye
- Sharp bands

Contents

Approximately 0.2~0.4 mg/ml of each protein in the buffer (20 mM Tris-phosphate, pH 7.5 at 25°C), 2 % SDS, 1 mM Dithiothreitol, 4.8 M Urea, and 12 % (v/v) Glycerol).

Applications

- Monitoring of protein migration during SDS-polyacrylamide gel electrophoresis.
- Monitoring of protein transfer onto membranes during Western blotting.
- Sizing of proteins on SDS-polyacrylamide gels and Western blots.

Quality Control : Under suggested conditions, Duo Prestained Protein Marker resolves 11 major

bands in 15% SDS-PAGE (Tris-glycine buffer) 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

1. Thaw the Marker either at room temperature or at 37-40°C for a few minutes to dissolve precipitated solids. Do not boil.
2. Mix thoroughly to ensure the solution is homogeneous.
3. Load the following volumes of the Marker on SDS-polyacrylamide gel:
 - 5 µl per well for mini-gels, 2.5 µl per well for blots
 - 10 µl per well for large gels, 5 µl per well for blots