GeneDireX®

BlueRAY Prestained Protein Ladder

Cat. No. PM006-0500 Size: 500 µl

- 3 µl or 5 µl per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively
- 2~3 µl per well for general Western transfering.
- Apply more for thicker (>1.5 mm) or larger gel.

Description

The BlueRAY Prestained Protein Ladder is a three-color protein standard with 10 pre-stained proteins covering a wide range molecular weights for 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 BlueRAY Prestained Protein Ladder is designed for monitoring protein separated during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon , or nitrocellulose) and for approximate sizing of proteins.

The ladder is supplied in gel loading buffer and is ready to use.
Do not heat, dilute, add reducing agent before loading.

Contents

Approximately 0.2~0.4 mg/ml of each protein in buffer (20 mM Tris-phosphate pH 7.5 at 25°C), 2% SDS, 1 mM 2-Mercaptoethanol, 3.6 M Urea, and 15% (v/v) glycerol).

Quality Control

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

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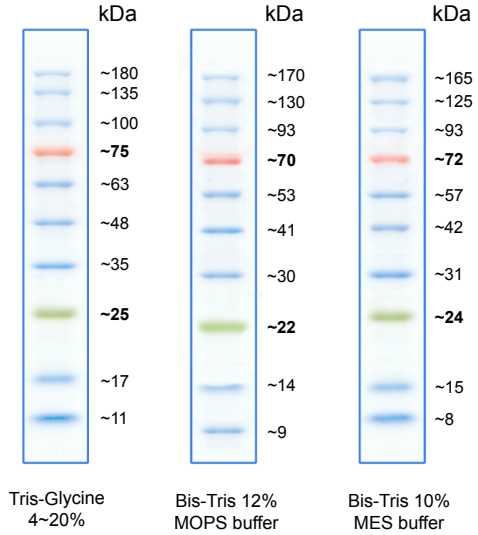
Storage

Stable at +25°C for 2 weeks
Stable at +4°C for 3 months
Store at -20°C for 24 months

Guide for Molecular Weight Estimation (kDa)

Migration patterns of BlueRAY Prestained Protein Ladder in different electrophoresis conditions are listed below:



Tris-Glycine 4~20% | Bis-Tris 12% MOPS buffer | Bis-Tris 10% MES buffer

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.

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