



YamayBio

Tricolor Prestained Protein Ladder 10–250 kDa (Orange, Green & Blue)

USER GUIDE

For research use only.
Not for use in diagnostic procedures.

Contents and Storage

Tricolor Prestained Protein Ladder 10 kDa-250 kDa (Orange, Green & Blue)

CY5466-500 250 µL×2

CY5466-2500 250 µL×10

Storage: Store at 4 °C for 6 months or store at -20 °C for 24 months.

Product shipped at room temperature.

Introduction

This product is a three-color protein standard with 11 prestained proteins (10 to 250 kDa) for use as molecular weight markers in protein electrophoresis (SDS-PAGE) and western blotting. Proteins are covalently coupled to a blue chromophore, except for two reference bands (one green at 25 kDa and one red at 70 kDa) when separated by SDS-PAGE using Tris-glycine-SDS buffer.

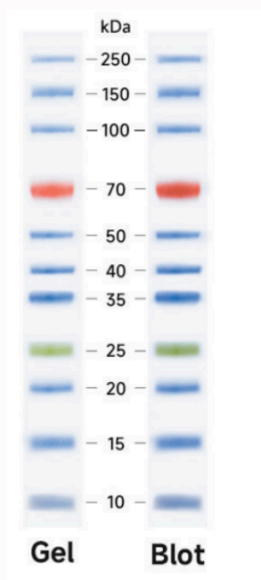
The protein ladder is conveniently provided in a ready-to-use form, allowing for direct application to gels without the requirement of heating, reducing, or the addition of sample buffer.

Storage Buffer: 62.5 mM Tris-HCl (pH 7.5 at 25 °C), 1 mM EDTA, 2% (w/v) SDS, 10 mM DTT, 0.02% NaN₃, 33% (w/v) glycerol.

Instructions for Use

- Tricolor Prestained Protein Ladders are provided in sample buffer, ready to load, with no dilution required.
- Allow the tube to reach room temperature and mix thoroughly before use. This will ensure that any solids that may have precipitated return to solution.
- Do not heat the product above room temperature.

Tricolor Prestained Protein Ladder 10-250 kDa (Orange, Green & Blue)

















































































































4%-20% Tris-Glycine SDS-PAGE

Recommended Loading Volumes

Load Volume	Application
5-7 μ L	Blotting Mini gels (8.3 \times 6.4 cm) and Midi gels (13.3 \times 8.7 cm)
7-10 μ L	Large gels (18.3 \times 19.3 cm) electrophoresis and 1.5 mm thick gels

Migration Patterns of Tricolor Prestained Protein Ladder

Gel type		Tris-Glycine						Bis-Tris						
Gel concentration		6%	7.5%	10%	12.5%	15%	4-20%	8%	10%	12%	4-12%	4-20%		
Running buffer		Tris-Glycine						MOPS						
		Apparent Molecular Size (kDa)												
% Length of gel ↓	10													
	20													
	30													
	40													
	50													
	60													
	70													
	80													
	90													
	100													

Related products

Product	Cat. No.	Quantity
Stain-Free Bis-Tris Precast Gels, 8%, 12 wells	AN9321-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 8%, 15 wells	AN9351-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 10%, 12 wells	AN9322-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 10%, 15 wells	AN9352-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 12%, 12 wells	AN9323-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 12%, 15 wells	AN9353-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 4-12%, 12 wells	AN9324-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 4-12%, 15 wells	AN9354-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 4-20%, 12 wells	AN9325-10	10 Pieces / Box
Stain-Free Bis-Tris Precast Gels, 4-20%, 15 wells	AN9355-10	10 Pieces / Box