



YamayBio

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

INSTRUMENT MANUAL

Research use only.  
Not for diagnostic procedures.

# Contents and storage

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

CY5466-500 250 $\mu$ L $\times$ 2

CY5466-2500 250 $\mu$ L $\times$ 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 pre-stained proteins (10 to 250 kDa) for use as molecular weight markers in protein electrophoresis (SDS-PAGE) and western blotting. Proteins are covalently coupled with a blue chromophore except for two reference bands (one green and one red band at 25 kDa and 70 kDa respectively) when separated on SDS-PAGE (Tris-glycine-SDS buffer).

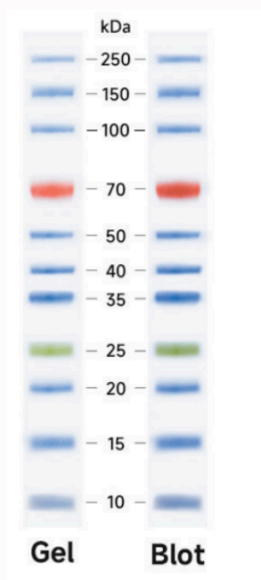
The protein ladder is conveniently provided in a ready-to-use form, allowing for direct application to gels without the requirement of heating, reducing, or the addition of sample buffer.

**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% NaN<sub>3</sub>, 33% (w/v) glycerol.

## Instruction 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 thoroughly mix 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 kDa-250 kDa (Orange, Green & Blue)






















































































































4%-20% Tris-Glycine SDS-PAGE

## Recommendations for Loading

Load Volume	Application
5~7 $\mu$ L	Blotting mini(8.3W × 6.4L cm) gels and midi gels(13.3W × 8.7L cm)
7~10 $\mu$ L	Large(18.3W × 19.3L cm) gel electrophoresis and 1.5mm 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%, 12wells	AN9321-10   AN9321-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 8%, 15wells	AN9351-10   AN9351-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 10%, 12wells	AN9322-10   AN9322-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 10%, 15wells	AN9352-10   AN9352-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 12%, 12wells	AN9323-10   AN9323-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 12%, 15wells	AN9353-10   AN9353-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 4~12%, 12wells	AN9324-10   AN9324-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 4~12%, 15wells	AN9354-10   AN9354-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 4~20%, 12wells	AN9325-10   AN9325-20	10 Pieces /Box   20 Pieces /Box
Stain-Free Bis-Tris Precast Gels, 4~20%, 15wells	AN9355-10   AN9355-20	10 Pieces /Box   20 Pieces /Box