

DATA SHEET

Version: 1

Revision date: 29/05/2025

1. Identification

Product name	PriPROT™ Western Protein Marker (25–90 kDa)
	250 µL
Cat. No	PL0040

2. Description

PriPROT™ Western Protein Marker contains **eight proteins**, spanning **25 kDa to 90 kDa**, optimized for **Western blot applications**. The **25 kDa, 45 kDa, and 85 kDa bands** are **prestained**, enabling **real-time electrophoresis monitoring and membrane transfer verification**.

The **remaining five bands** contain **multiple IgG-binding sites**, making them **detectable using standard Western blot protocols**. These **dye-free bands** ensure **accurate molecular weight estimation** for precise protein analysis.

3. Specifications

MW Range: 25–90 kDa

Format: Ready-to-use, no heating required

Storage Buffer: 125 mM Tris-HCl (pH 6.8); 5 mM EDTA; 10 mM DTT; 17.4% glycerol; 3% SDS and 0.01% phenol red.

4. Applications

- Western blot molecular weight estimation
- Protein transfer tracking on PVDF and NC membranes

5. Usage Instructions

- **Mix well before use** for uniform protein distribution.
- **Recommended loading volumes:**
 - 5 µL per well** for mini gels
 - 10 µL per well** for larger gels
- **Electrophoresis & Transfer Conditions:**
 - Electrophoresis:** 200 V for **50 minutes**
 - Membrane transfer:** 200 mA for **2–3 hours**

6. Additional information

Band (kDa)	Color	Detection Method
25	Prestained blue	Electrophoresis tracking
45	Prestained blue	Electrophoresis tracking
85	Prestained blue	Electrophoresis tracking
Other bands	Unstained IgG-binding proteins	Western blot visualization



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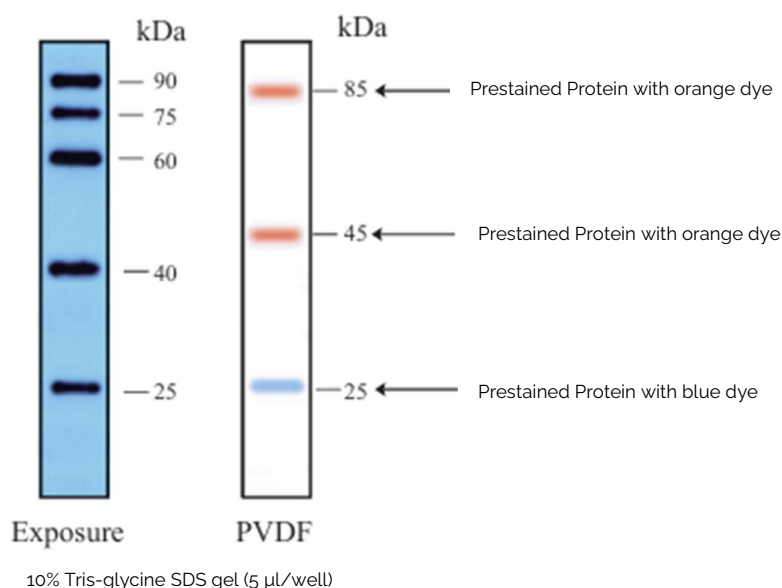
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- The **three prestained bands facilitate visual tracking**, ensuring **efficient protein migration and membrane transfer verification**.
- **Protein size may vary depending on electrophoresis conditions**, serving only as a **reference for molecular weight estimation**.

7. Further information

Product Use Limitation This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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