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DATA SHEET

Version: 1
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1. Identification

Product name **PriBLUE™ Prestained Protein Marker II (14–120 kDa)**

250 µL

Cat. No **PL0020**

2. Description

PriBLUE™ **Prestained Protein Marker II** consists of **eight proteins**, spanning **14 kDa to 120 kDa**, each covalently bonded to **distinct dyes** for **precise electrophoresis tracking and membrane transfer validation**. It features **50 kDa and 120 kDa bands coupled to orange dye**, a **14 kDa band coupled to yellow dye**, and **five additional bands coupled to blue dye**, ensuring **easy differentiation of molecular weights**.

Designed to **enhance visualization during protein separation and transfer**, this marker enables **accurate molecular weight estimation** and improves **tracking clarity in electrophoresis applications**. Its **color-coded bands streamline protein analysis**, making it an **essential tool for molecular biology and biochemical research**.

3. Specifications

MW Range: 14–120 kDa
Format: Ready-to-use, no heating required
Storage Buffer: 100 mM Tris-HCl (pH 6.8); 5 mM EDTA; 10 mM DTT; 10% Glycerol; 1% SDS and 0.01% Phenol red.

4. Applications

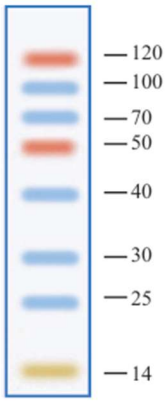
Protein molecular weight estimation in electrophoresis and Western blot assays.

5. Usage Instructions

- **Thoroughly mix before use** to maintain **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 **3 hours**

6. Additional information

Band (kDa)	Color	Concentration
14	Prestained yellow	2 µg/5 µL
20	Prestained blue	0.5 µg/5 µL
30	Prestained blue	0.5 µg/5 µL
40	Prestained blue	0.5 µg/5 µL
50	Prestained orange	1 µg/5 µL
60	Prestained blue	0.5 µg/5 µL
80	Prestained blue	0.5 µg/5 µL
120	Prestained orange	1 µg/5 µL



12% Tris-glycine SDS gel (5 µl/well)

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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.

Disclaimer The information provided in this Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide and should not be taken as a warranty or quality specification. Canvax Reagents S.L.U. shall not be held liable for any damage resulting from handling or from contact with the above product.