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DATA SHEET

Version: 1
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1. Identification

Product name **PriBLUE™ Prestained Protein Marker VI (10–250 kDa)**
250 µL

Cat. No **PL0030**

2. Description

PriBLUE™ **Prestained Protein Marker VI** is composed of **eleven prestained proteins**, ranging from **10 kDa to 250 kDa**, each covalently bonded to **distinct dyes** for **enhanced visualization and tracking** during **SDS-polyacrylamide gel electrophoresis** and **membrane transfer assessment**. It includes a **72 kDa band coupled to orange dye**, a **25 kDa band coupled to green dye**, and **nine additional bands coupled to blue dye**, ensuring **clear differentiation of molecular weights**.

These **color-coded bands facilitate identification on PVDF and NC membranes**, enabling **efficient analysis of transfer success**. Additionally, the **orange and green bands support transfer orientation**, ensuring correct positioning during **Western blot procedures**.

3. Specifications

MW Range: 10–250 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 and 1% SDS.

4. Applications

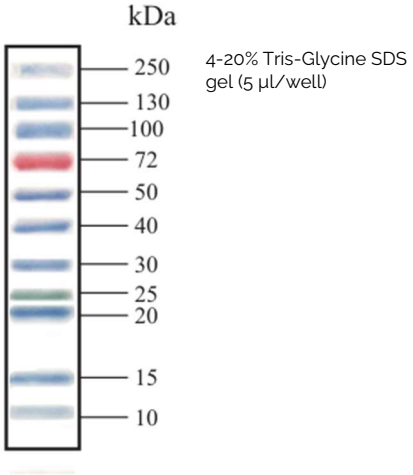
Protein molecular weight estimation in electrophoresis and Western blot assays.

5. Usage Instructions

- **Thaw thoroughly and mix well before use** to ensure **uniform protein distribution**.
- **Recommended loading volumes:**
  5 µL per well for **mini gels (1 mm thick).**
  10 µL per well for **larger gels.**
- **Electrophoresis & Transfer Conditions:**
  Electrophoresis using 4–20% Tris-Glycine SDS gels.
  Membrane transfer onto PVDF membranes.

6. Additional information

Band (kDa)	Color	Concentration
10	Prestained blue	2 µg/5 µL
25	Prestained green	2 µg/5 µL
30	Prestained blue	0.5 µg/5 µL
40	Prestained blue	0.5 µg/5 µL
50	Prestained blue	0.5 µg/5 µL
60	Prestained blue	0.5 µg/5 µL
72	Prestained orange	2 µg/5 µL
100	Prestained blue	0.5 µg/5 µL
150	Prestained blue	0.5 µg/5 µL
200	Prestained blue	0.5 µg/5 µL
250	Prestained blue	0.5 µg/5 µL



4-20% Tris-Glycine SDS gel (5 µL/well)

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7. Notes

- The **color-coded bands facilitate protein tracking**, making **Western blot analysis and membrane transfer validation more efficient**.
- **Protein size may vary slightly** depending on **electrophoresis conditions and concentrations**.
- Intended as a **reference for molecular weight estimation**, **not for precise quantification of target proteins**.

8. 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.