

DATA SHEET

Version: 1
Revision date: 29/05/2025Tlf: +34 983 54 85 63
info@canvaxbiotech.comwww.canvaxbiotech.com

1. Identification

Product name	PriPROT™ Super Western Blot Kit
	100 mL
Cat. No	PD0005

2. Description

PriPROT™ Super Western Blot Kit is a **chemiluminescence-based detection kit** uses an **enhanced luminol reaction** for identifying **HRP-conjugated antibodies** and **target antigens**. Optimized for **high sensitivity**, it is particularly effective for **detecting low-abundance proteins**, offering superior performance compared to conventional **Western blot kits**.

3. Specifications

Sensitivity: Enables picogram-level protein detection.

Detection Method: HRP-based chemiluminescence reaction.

Format: Ready-to-use, no pre-heating required.

Includes: 50mL x Super WB Solution A and 50 mL x Super WB Solution B

4. Applications

Western blot detection of proteins, including **low-abundance targets**.

5. Usage Instructions

1. Conduct **standard electrophoresis, protein transfer, HRP-conjugated antibody incubation**, and **membrane washing**.
2. Prepare **chemiluminescence working solution** by mixing **equal volumes** of **Super WB Solution A and B** (e.g., **1 mL of each reagent**). It is recommended to use a **freshly prepared solution**.
3. Using **tweezers**, gently remove excess **wash buffer** from the membrane, ensuring it remains slightly moist. **Submerge the membrane in the working solution** completely (**0.125 mL per cm²**), incubate for **1 minute**, and prepare for **immediate exposure to X-ray film** or **chemiluminescence imaging**. **Extended incubation does not improve sensitivity** and may cause **irregular bands**.
4. After incubation, **remove the membrane with tweezers** and **drain excess solution**.
5. Wrap the membrane in **clear plastic wrap**, ensuring no **bubbles or wrinkles**.
6. In a **darkroom**, expose the membrane to **X-ray film** or use a **chemiluminescence imaging system** for detection.

6. Additional information

- Formulated for **enhanced sensitivity**, particularly **suitable for detecting proteins present at low concentrations**.

7. Notes

- **Avoid prolonged exposure to intense light**, which may reduce the **sensitivity** of the detection reaction.
- **High protein concentration or excessive light exposure** may increase **background noise**, affecting the **linear correlation between protein quantity and band intensity**.
- **Optimize antibody dilution ratios** for **best signal detection**.
- **Do not use sodium azide**, as it **inhibits HRP enzyme activity**.



DATA SHEET

Version: 1
Revision date: 29/05/2025

Tlf: +34 983 54 85 63
info@canvaxbiotech.com

www.canvaxbiotech.com

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.

