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Product Information

YesBlot™ Western Marker I
(10- 200 kDa)

WM1000

Size: 250 µl
5 µl per well for 50 applications

Storage

4°C for 3 months
-20°C for 24 months

Usage Recommendation

- **1.5~2.5 µl** per well for two-step Western blot using 1st Ab followed with 2nd Ab conjugated with reporter enzymes.
- **2.5~5 µl** per well for one-step Western blot using 1st Ab conjugated with reporter enzymes.
- Apply more for thicker (> 1.5 mm) or larger gel.

Description

YesBlot™ Western Marker I is a ready-to-use mixture with ten IgG-binding proteins covering a wide range of molecular weights from 15 to 200 kDa in Tris-Glycine buffer.

YesBlot™ Western Marker I performs dual functions. First, it contains 4 pre-stained proteins (10, 25, 45 and 70 kDa) for monitoring protein separation during SDS-PAGE, verification of Western transfer efficiency on membranes (nitrocellulose, PVDF, or nylon) and for approximating the protein size. Second, ten IgG-binding proteins can be immuno-detected on film or by CCD imaging.

YesBlot™ Western Marker I is compatible for chemiluminescent, fluorescent, chromogenic or other detection systems. In addition, YesBlot™ Western Marker I has two reference bands with enhanced intensity (at 30 kDa and 80 kDa).

The marker is supplied in gel loading buffer and is ready to use. **Do NOT heat, dilute, or add reducing agents before loading.**

Contents

The YesBlot™ Western Marker I contains recombinant IgG binding proteins, Glycerol, SDS, and tracking dyes in a Tris-HCl buffer.

Features

- **4 prestained proteins** for clear visualization during electrophoresis and Western blotting transfer
- **10 IgG-binding proteins** for visualization on Western blots
- Wide range size estimation **(10-200 kDa)**
- Two enhanced bands **(30 and 80 kDa)**

Guide for Molecular Weight Estimation

Migration patterns and approximate MWs (kDa) of prestained proteins of the YesBlot™ Western Marker I in different electrophoresis conditions are listed below:

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)
1	Pink	70	61	62
2	Blue	45	41	42
3	Green	25	22	23
4	Blue	10	9	10

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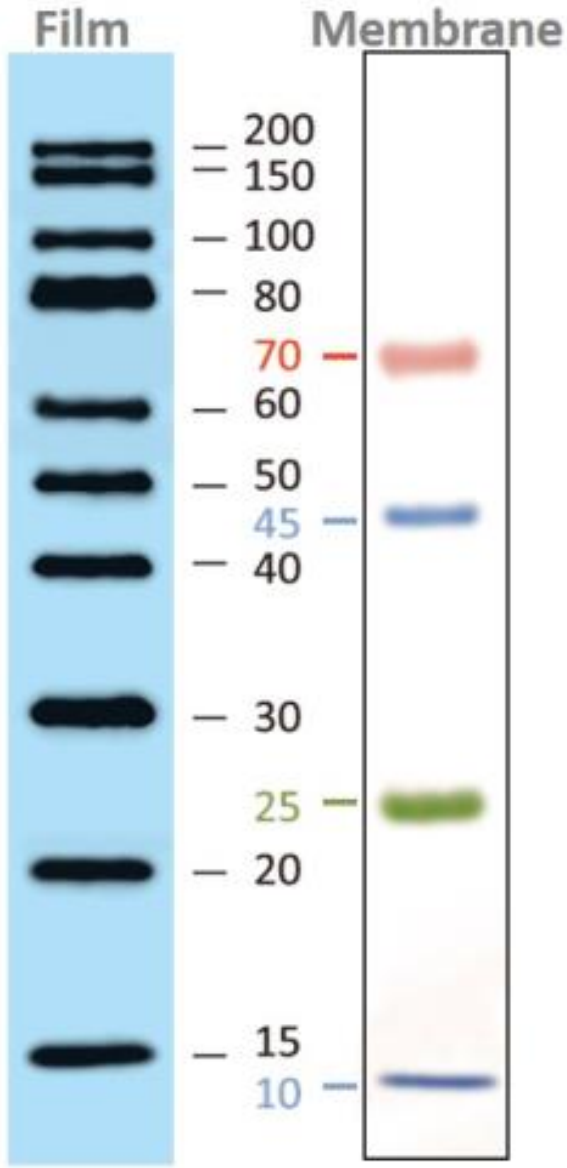

Note. The apparent molecular weight (kDa) of each prestained protein has been determined by calibration against an unstained protein standard; supplemental data should be considered for more accurate adjustments in different electrophoresis conditions.

Quality Control

Under suggested conditions, the YesBlot™ Western Marker I resolves 4 prestained bands on the membrane and 10 bands after secondary antibodies binding followed by chemiluminescent detection.

Other information

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Caution: Not intended for human or animal diagnostic or therapeutic uses.