ProView Western Protein Marker

[for Broad Range]

Cat. No. 24086 250㎕

DESCRIPTION

ProView Western Protein Marker (for Broad Range) is a mixture of purified recombinant protein standards designed to bind immunoglobulins with high affinity in a denatured form that resolved to 8 bands between 16kDa and 215kDa when electrophoresed. You can quickly and easily visualize discrete bands on your western blot only by a simple application of marker with your samples. You can use it in a chemiluminescent or chromogenic detection methods of your choice. It's compatible with most immunodetection methods, including horseradish peroxidase or alkaline phosphatase systems. ProView Western Protein Marker (for Broad Range) can also be used for optimizing your western transfer condition, verification of antibody conjugated peroxidase intactness, and controlling the detection system. ProView Western Protein Marker (for Broad Range) is supplied in gel loading buffer and is ready-to-use. (no need to boil before use).

CHARACTERISTICS

- Ready and easy-to-use procedure
- Direct marker visualization on western blots (x-ray film, membranes etc.)
- Accurate protein molecular weight estimation directly on western blots
- Use ful for optimizing western transfer, antibody intactness, and detection system.

RECOMMENDED STORAGE CONDITION

- -20℃ for one year when properly handled and stored.
- Please aliquot in a small volume for prevention of repeated freezing & thawing.

RECOMMENDED LOADING VOLUME

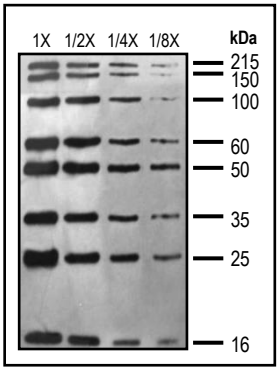
- 5㎕ of the marker solution is recommended on a 10x8 cm² mini-gel. (Sufficient reagents are provided to perform 50 applications.)

CAUTIONS

- The marker band will not be observed on the CBB stained PAGE-gel. Because the amount of each protein was optimized to western blot detection.
- Before applying in your samples, you must adjust appropriate loading quantity by serial dilution experiments. Load 5 ㎕ of serially diluted marker (1x, 1/2x, 1/4x, 1/8x, and soon), and try western detection according to the same procedure as you do. Then determine best fitted concentration of the diluted marker for getting your best data image.

PROTOCOL

1. Let ProView Western Protein Marker adjust to room temperature before use. After completely thawing, mix them thoroughly.
2. Load 5 ㎕ of the marker on an appropriate SDS-PAGE gel. And Load samples.
3. Run the samples using the desired buffer system.
4. Transfer the proteins to a blotting membrane as described elsewhere.



5. Perform the blocking, primary antibody incubation, and secondary antibody incubation steps with the blot using a method of choice.
6. Visualize the proteins using a chemiluminescent or colorimetric detection system.
7. After detection, you should observe eight protein bands of the standard as shown on the previous page.

8-20% SDS-PAGE Blot

Apply 5㎕ on mini-gel and electrophoresed for 1hr at 15% SDS-PAGE gel. After electrophoresis, transfer for 2hr at 80 volt.

TROUBLE SHOOTING GUIDE

Problems	Solutions
Week or no signals	Check your detection system is functional. Check western transfer is completed.
Highly dense or dispersed signals	Decrease marker loading volume upto 1/10 to 1/1,000. Dilute with 1x sample buffer.
Unusual dense band appeared	Uneven western transfer due to size difference, check western transfer condition.

Research Use Only

ISO 9001/14001 Certificated Company

iNtRON Biotechnology

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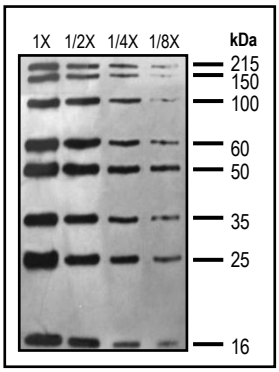

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