

Bløk™ Noise-Cancelling Reagents

Protein-free blocking reagents for Western blotting

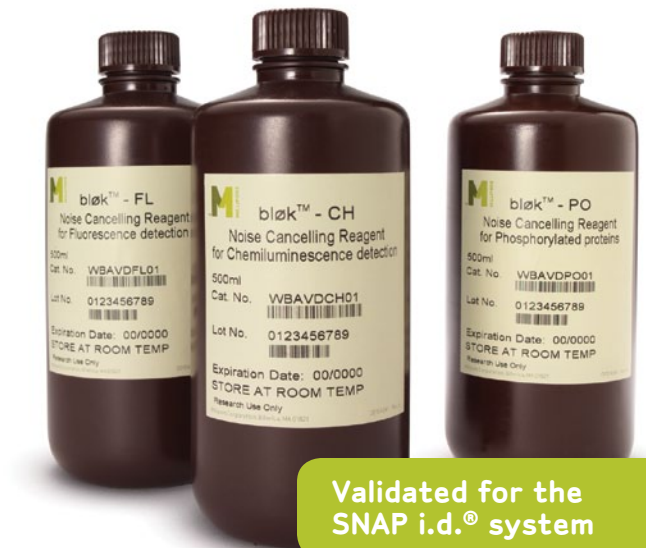
In Western blotting, blocking of unbound membrane sites is necessary to prevent non-specific binding of the antibodies which otherwise would lead to a high background on the blot. The traditional milk blocker can work well; however, inadvertent variations in its composition can lead to irreproducible results. Such variations include the milk's concentration, fat content, solubility, detergent quality, and numerous other factors.

Bløk reagents are a family of protein-free, noise-cancelling reagents that reduce background for consistent, quality results. They are available in three room temperature-stable, ready-to-use formulations for:

1. Chemiluminescence and chromogenic detection
2. Fluorescence detection
3. Phosphoprotein immunodetection

The protein-free nature of Bløk reagents allows for membranes to be stained with chromogenic reagents, such as Ponceau S or Coomassie™ blue, after blocking or immunodetection.

Bløk reagents have been tested and validated for Western blot, dot blot, and ELISA applications.

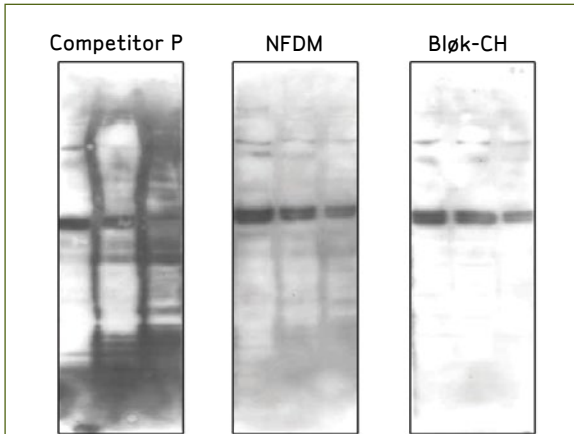


Validated for the SNAP i.d.® system

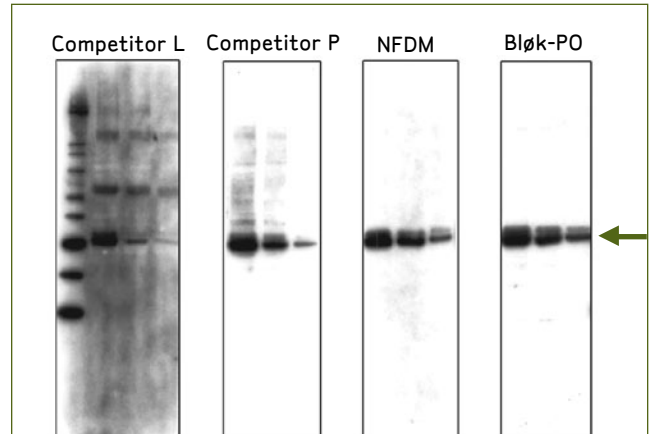
Advantages of Bløk reagents:

- o Reduced background for better signal to noise
- o Prediluted with detergents for immediate use
- o More stable diluent for antibodies than milk
- o Stable at room temperature for 1 year
- o Allows staining of membranes after immunodetection
- o Designed for efficient reagent flow through SNAP i.d. blot holders

Bløk-CH and Bløk-PO Reagents:
Optimal background reduction while preserving phosphorylation state

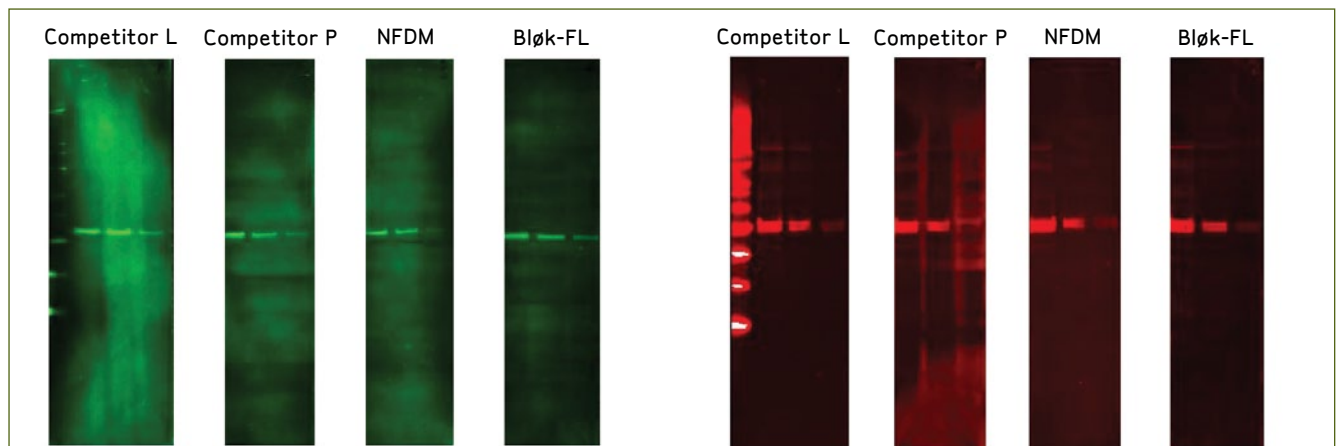


Chemiluminescence detection of p53 in EGF-stimulated A431 lysate (10 - 2.5 µg/lane, Millipore cat. no. 12-110). Blots were blocked with Bløk-CH reagent, then probed with anti-p53 antibody (1:1,000, Millipore cat. no. AB565) diluted in Bløk-CH reagent. Bands were detected using Luminata™ Forte Western HRP substrate (Millipore cat. no. WBLUF0500). NFDm = Non-fat dry milk.



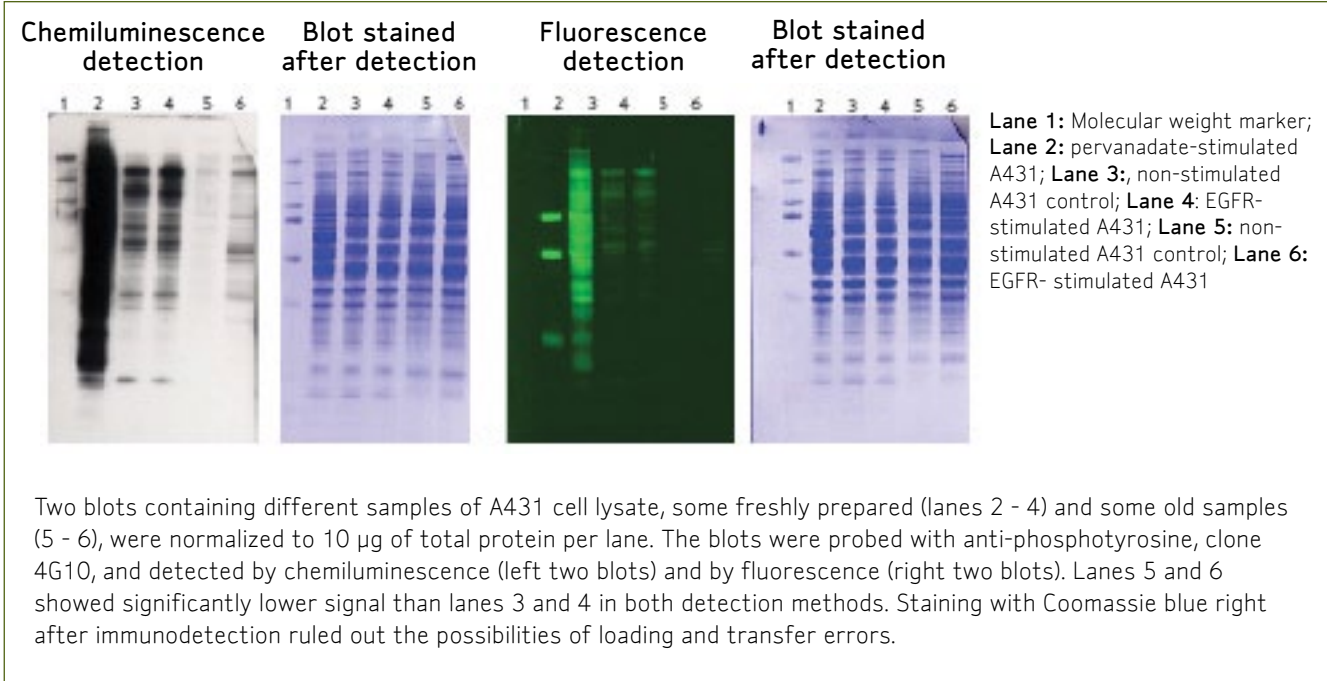
Chemiluminescence detection of pERK in EGF-stimulated A431 lysate (10 - 2.5 µg/lane, Millipore cat. no. 12-110). Blots were blocked with Bløk-PO reagent, then probed with anti-pERK antibody (1:10,000, Millipore cat. no. 05-797R) diluted in Bløk-PO reagent. Bands were detected using Luminata Forte Western HRP substrate (Millipore cat. no. WBLUF0500). NFDm = Non-fat dry milk.

Bløk-FL Reagent:
Low background for fluorescence detection at 680 and 800 nm

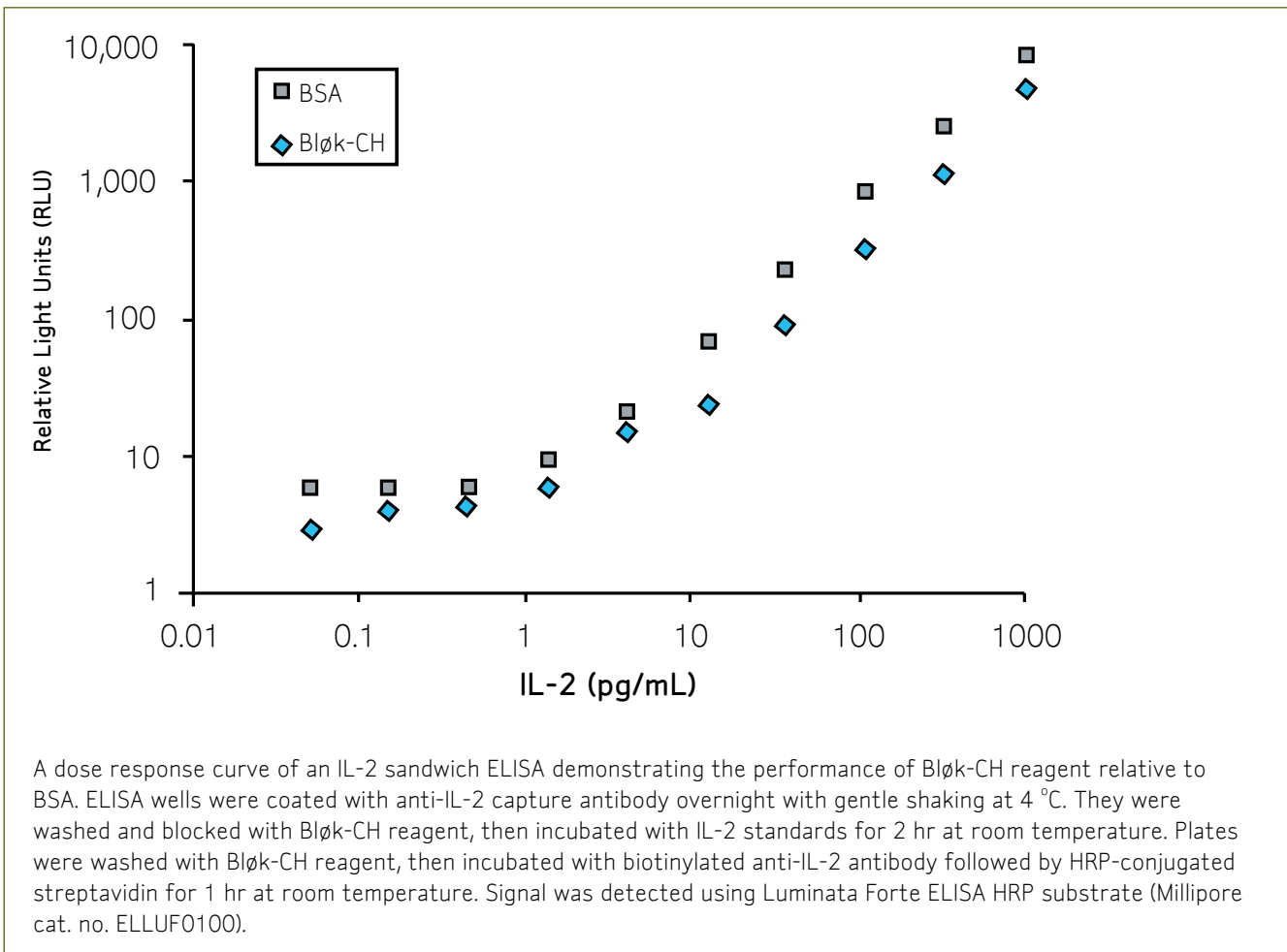


Fluorescence detection of actin in EGF-stimulated A431 lysates (1.0 - 25 µg/lane, Millipore cat. no. 12-110). Lysates were resolved by SDS-PAGE and transferred onto Immobilon® FL transfer membrane (Millipore cat. no. IPFL00010). The membranes were blocked and probed with anti-actin antibody (1:400, Millipore cat. no. MAB1501) diluted in the respective blockers. Blots were then incubated with anti-mouse IgG IRDye® 800 (left panel) or 680 (right panel) conjugated (1:1,000, LI-COR cat. no. 926-32210), and scanned on the Odyssey® system after vacuum drying for 1 hr.

Bløk reagents allow for chromogenic staining of the blots following immunodetection



Bløk reagents are effective ELISA blockers



ORDERING INFORMATION

Bløk Noise-Cancelling Reagents

| Description | Detection Reagent Compatibility | Quantity | Catalogue No. |
|-----------------|----------------------------------|----------|---------------|
| Bløk-CH Reagent | Chemiluminescence Detection | 500 mL | WBAVDCH01 |
| Bløk-FL Reagent | Fluorescence Detection | 500 mL | WBAVDFL01 |
| Bløk-PO Reagent | Phosphorylated Protein Detection | 500 mL | WBAVDP001 |

SNAP i.d. Protein Detection System

| Product Description | | Quantity | Catalogue No. |
|---------------------------------------|--------------------------|----------|---------------|
| SNAP i.d. Protein Detection System | | | WBAVDBASE |
| SNAP i.d. Consumables and Accessories | Single Blot Holder | 30/pk | WBAVDBH01 |
| | Double Blot Holder | 30/pk | WBAVDBH02 |
| | Triple Blot Holder | 20/pk | WBAVDBH03 |
| | Antibody Collection Tray | 20/pk | WBAVDABTR |
| | SNAP i.d. Blot Roller | | WBAVDROLL |

Immobilon Transfer Membranes

| Product Description | Size | Quantity | Catalogue No. |
|---|------------------|----------|---------------|
| Immobilon-P: PVDF 0.45 µm | 7 x 8.4 cm | 50/pk | IPVH07850 |
| | 26.5 cm x 3.75 m | 1 roll | IPVH00010 |
| Immobilon-FL: PVDF 0.45 µm | 7 x 8.4 cm | 10/pk | IPFL07810 |
| | 26.5 cm x 3.75 m | 1 roll | IPFL00010 |
| Immobilon-P ⁵⁰ : PVDF 0.2 µm | 7 x 8.4 cm | 50/pk | ISEQ07850 |
| | 26.5 cm x 3.75 m | 1 roll | ISEQ00010 |

Luminata Western HRP Substrates

| Product Description | Quantity | Catalogue No. |
|---|----------|---------------|
| Luminata Classico Western HRP Substrates | 100 mL | WBLUC0100 |
| Luminata Classico Western HRP Substrates | 500 mL | WBLUC0500 |
| Luminata Crescendo Western HRP Substrates | 100 mL | WBLUR0100 |
| Luminata Crescendo Western HRP Substrates | 500 mL | WBLUR0500 |
| Luminata Forte Western HRP Substrates | 100 mL | WBLUF0100 |
| Luminata Forte Western HRP Substrates | 500 mL | WBLUF0500 |

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