

Amersham ECL DualVue Western Blotting Markers

Visible on the blot and on film

Amersham ECL DualVue™ Western Blotting Markers contain both colored proteins and tagged proteins that introduce convenience and reliability, and facilitate accurate size determination of proteins on Western blots.

Three prestained indicator proteins can be visualized on the blot following transfer. This allows the efficiency of the transfer process to be monitored. The colored indicator bands also assist with the orientation of the gel and blot prior to chemiluminescent detection.

Seven recombinant proteins of known molecular weight, each containing a tagged region, can be detected on the same blot as the target protein of interest in an Amersham ECL, ECL Plus™, or ECL Advance™ chemiluminescent reaction. The tagged region binds S-protein-HRP, which is simply added during either the primary or secondary antibody incubation steps. The tagged recombinant proteins are therefore detected at the same time as the protein of interest in a chemiluminescent reaction. Amersham ECL DualVue markers are compatible with both Hyperfilm™ and CCD imaging systems.

Accurate

- Three prestained colored indicator proteins, which can clearly be seen on the blot following transfer, ensure that transfer has been successful and facilitate correct blot orientation.
- Seven tagged recombinant protein markers of known mass are detected on the film (or CCD image) in parallel with the target protein. This allows easy and accurate determination of the molecular weight of the target protein.

Convenient

- Easy to use formulation—one simple loading on the gel followed by addition of S-protein-HRP to the primary or secondary antibody incubation.
- Each pack contains Amersham ECL DualVue markers and S-protein-HRP sufficient for 25 gel loadings.

Compatible

Can be used with:

- All Amersham ECL reagents and other HRP substrates.
- Hybond™ ECL nitrocellulose and Hybond-P PVDF membranes.
- Hyperfilm detection or CCD imaging.

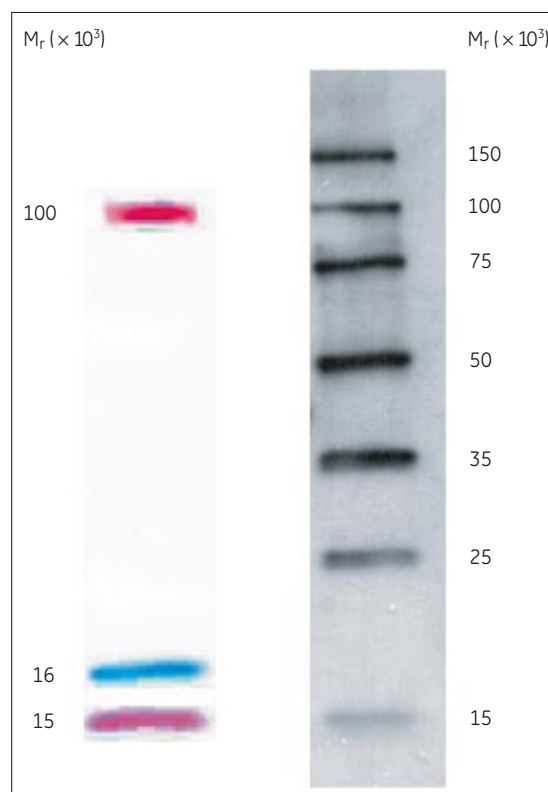


Fig 1. Amersham ECL DualVue Western Blotting Markers after electrophoresis on a 4–20% SDS-PAGE slab gel and transfer onto Hybond ECL nitrocellulose membrane showing: A, prestained indicator proteins; B, tagged proteins after detection with Amersham ECL Western Blotting Detection Reagents. Electrophoresis performed for 45 min at 200 V with 1-min film exposure.



Technical specifications

Protein	Mol. wt. (kDa)	Source	Amount (µg)
Prestained indicator proteins			
Phosphorylase b	100 000	Rabbit muscle	50
Myoglobin	16 000	Horse muscle	50
Lysozyme	15 000	Chicken egg white	50
Recombinant tagged proteins			
Recombinant protein	150 000		1
Recombinant protein	100 000		1
Recombinant protein	75 000		1
Recombinant protein	50 000		1
Recombinant protein	35 000		1
Recombinant protein	25 000		1
Recombinant protein	15 000		1

Ordering information

Amersham ECL DualVue Western Blotting Markers, 25 gel loadings (contains ECL DualVue markers, 125 µl; S-protein-HRP, 50 µl; optimized protocol) RPN810

Related products

Amersham ECL Advance Western Blotting Detection Kit RPN2135

Amersham ECL Western Blotting Detection Reagents for 1000 cm² membrane RPN2109

Amersham ECL Western Blotting Detection Reagents for 2000 cm² membrane RPN2209

Amersham ECL Western Blotting Detection Reagents for 4000 cm² membrane RPN2106

Low-Range Rainbow™ Molecular Weight Markers RPN755

High-Range Rainbow Molecular Weight Markers RPN756

Full-Range Rainbow Molecular Weight Markers RPN800

ECL Western Blotting Molecular Weight Markers, biotinylated RPN2107

Hybond ECL membrane (nitrocellulose, pore size 0.45 µm) RPN2020D

Hybond ECL membrane (nitrocellulose, pore size 0.2 µm) RPN3032D

Hybond-P membrane (PVDF, pore size 0.45 µm) RPN2020F

Hybond Blotting Paper, 20 × 20 cm, 100 sheets RPN6101M

Hyperfilm ECL, 18 × 24 cm, pack of 25 RPN2103K

Hyperfilm ECL, 30 × 40 cm, pack of 25 RPN2104K

Hyperfilm ECL, 10 × 12 in, pack of 25 RPN1681K

Hyperfilm ECL, 5 × 7 in, pack of 25 RPN1674K

Mouse IgG, horseradish peroxidase linked whole antibody (from sheep) NA931

Rabbit IgG, horseradish peroxidase linked whole antibody (from donkey) NA934

Rat IgG, horseradish peroxidase linked whole antibody (from goat) NA935I

Asia Pacific Tel: +65 6275 1830 Fax: +65 6275 1829 • Australasia Tel: +61 2 9899 0999 Fax: +61 2 9899 7511 • Austria Tel: 01/57606-1619 Fax: 01/57606-1627 • Belgium Tel: 0800 73 888 Fax: 02 416 82 06 • Canada Tel: 1 800 463 5800 Fax: 1 800 567 1008 • Central, East, & South East Europe Tel: +43 1 972720 Fax: +43 1 97272 2750 • Denmark Tel: 45 16 2400 Fax: 45 16 2424 • Eire Tel: 01494 544000 Fax: 0044 1494 542010 • Finland & Baltics Tel: +358-09-512 39 40 Fax: +358 (0)9 512 39 439 • France Tel: 01 6935 6700 Fax: 01 6941 9677 • Germany Tel: (089) 96281 660 Fax: (089) 96281 620 • Greater China Tel: +852 2100 6300 Fax: +852 2100 6338 • Italy Tel: 02 27322 1 Fax: 02 27302 212 • Japan Tel: +81 3 5331 9336 Fax: +81 3 5331 9370 • Latin America Tel: +55 11 3933 7300 Fax: +55 11 3933 7304 • Middle East & Africa Tel: +30 210 9600 687 Fax: +30 210 9600 693 • Netherlands Tel: 0800 82 82 82 1 Fax: 0800 82 82 82 4 • Norway Tel: 815 65 555 Fax: 815 65 666 • Portugal Tel: 21 417 7035 Fax: 21 417 3184 • Russia & other C.I.S. & N.I.S Tel: +7 (495) 956 5177 Fax: +7 (495) 956 5176 • Spain Tel: 93 594 49 50 Fax: 93 594 49 55 • Sweden Tel: 018 612 1990 Fax: 018 612 1910 • Switzerland Tel: 0848 8028 12 Fax: 0848 8028 13 • UK Tel: 0800 616928 Fax: 0800 616927 • USA Tel: +1 800 526 3593 Fax: +1 877 295 8102

www.gehealthcare.com/ecl

GE Healthcare Limited

Amersham Place

Little Chalfont

Buckinghamshire

HP7 9NA

UK

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