Amersham™ Western blotting

Selection guide

www.gelifesciences.com

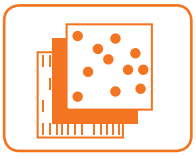
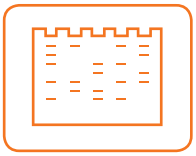
Innovative solutions designed to meet your specific protein analysis needs

Since 1990 when we first launched Amersham ECL™ we have continued our commitment to providing innovative solutions for your protein analysis needs. Our products are optimized to work together so you can easily achieve excellent Western blotting results, whether your need is sensitive protein identification or reproducible protein quantification. For the majority of users one of the following product combinations will help you to obtain outstanding results in Western blotting. Select the combination that most closely meets the goal of your analysis.

Reproducible quantitative analysis: Fluorescence detection is recommended for quantitation, because the signal stability and multiplexing capabilities result in reproducible data and normalization of target proteins in just one step. If reproducible quantitative analysis is your goal, then a combination of products designed specifically for fluorescence detection is the optimal choice.

Sensitive analysis: When analyzing cellular and protein functions, common challenges are a limited amount of sample or primary antibody, or very low protein expression. The ultimate solution is to combine products that have been optimized to work together to detect minute protein quantities.

Great value, routine analysis: Western blots are commonly run for qualitative protein analysis in order to verify the presence or absence of a specific protein of interest. In this case protein quantity in the sample is not a limiting factor, and sensitivity is not an issue. For these applications, we recommend cost-effective products that allow you to quickly move to the next step.

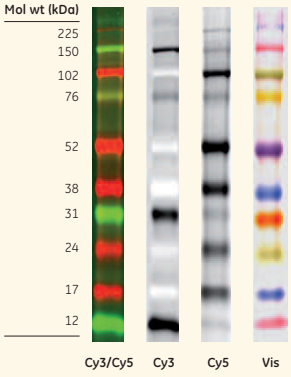
	Reproducible, quantitative analysis	Sensitive analysis	Great value, routine analysis
 Electrophoresis	Amersham ECL Plex™ Rainbow™ Marker	Amersham ECL DualVue™ Marker	Amersham ECL Rainbow markers
 Transfer	Amersham Hybond™ LFP	Amersham Hybond P	Amersham Protran™ NC
 Probing and detection	Amersham Prime blocking reagent Amersham ECL Plex CyDye™ conjugated antibodies	Amersham ECL Prime blocking reagent Amersham ECL HRP-conjugated antibodies Amersham ECL Select™	Amersham ECL blocking agent Amersham ECL HRP-conjugated antibodies Amersham ECL start
 Imaging	Amersham Imager 600 series or Typhoon™ FLA 9500	Amersham Imager 600 series or Amersham Hyperfilm™ ECL	ImageQuant LAS 500 or Amersham Hyperfilm ECL

A comprehensive range of options is also available for each step of the Western blotting process.

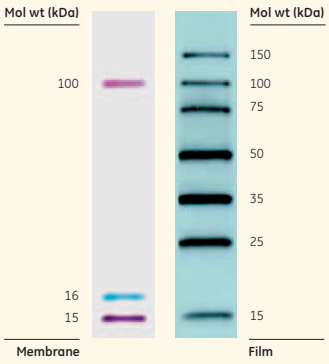
Electrophoresis

Amersham ECL Rainbow markers – accurate size determination of your protein on gels and blots

Amersham ECL Plex Rainbow Marker



Amersham ECL DualVue Marker



Amersham ECL Rainbow markers

Full range

Mol wt (kDa)	Color
225	Blue
150	Red
102	Green
76	Yellow
52	Purple
38	Blue
31	Orange
24	Green
17	Blue
12	Red

Code number: RPN 800E

High range

Mol wt (kDa)	Color
225	Blue
76	Yellow
52	Purple
38	Blue
31	Orange
24	Green
17	Blue
12	Red

Code number: RPN 756E

Low range

Mol wt (kDa)	Color
38	Blue
31	Orange
24	Green
17	Blue
12	Red
8.5	Yellow
3.5	Blue

Code number: RPN 755E

Product	Visualization	Molecular weight range (x 10^3)	Number of samples
Amersham ECL Rainbow Marker - Full range	Visible, multicolor	12–225	50
Amersham ECL Rainbow Marker - High range	Visible, multicolor	12–225	50
Amersham ECL Rainbow Marker - Low range	Visible, multicolor	3.5–35	50
Amersham ECL Plex Rainbow Marker	Visible, fluorescent, multicolor	12–225	50/200
Amersham ECL DualVue Marker	Visible, chemiluminescent, multicolor	15–100/15–150	25

Transfer

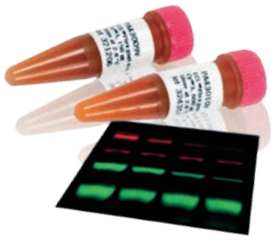
Amersham Western blotting membranes – excellent membranes in a selection of rolls, sheets, and sandwiches

Select from a broad range of nitrocellulose (NC) and polyvinylidine difluoride (PVDF) Western blotting membranes, with pore sizes ranging from 0.1 to 0.45 µm to suit your application requirements.

Application	Protein abundance	Protein size	Recommended membrane
Verify presence/absence with chemiluminescence	High	< M_r 10 000	Amersham Protran 0.1 NC
		< M_r 20 000	Amersham Protran 0.2 NC
		> M_r 20 000	Amersham Protran 0.45 NC
	Low	< M_r 20 000	Amersham Hybond 0.2 PVDF
		> M_r 20 000	Amersham Hybond 0.45 PVDF
Stripping and reprobing	High	< M_r 20 000	Amersham Protran Supported 0.2 NC
		> M_r 20 000	Amersham Protran Supported 0.45 NC
	Low	< M_r 20 000	Amersham Hybond P 0.2 PVDF
		> M_r 20 000	Amersham Hybond P 0.45 PVDF
Reproducible quantitation with fluorescence	High	< M_r 20 000	Amersham Protran Premium 0.2 NC
		> M_r 20 000	Amersham Protran Premium 0.45 NC
	Low	> M_r 20 000	Amersham Hybond LFP 0.2 PVDF

Probing and detection

Amersham ECL secondary antibodies – highly species-specific HRP-conjugated antibodies optimized for use with Amersham ECL Western blotting detection reagents



Amersham ECL Plex CyDye secondary antibodies – highly species-specific CyDye conjugated antibodies that are part of an optimized system for quantitative analysis using fluorescence Western blotting

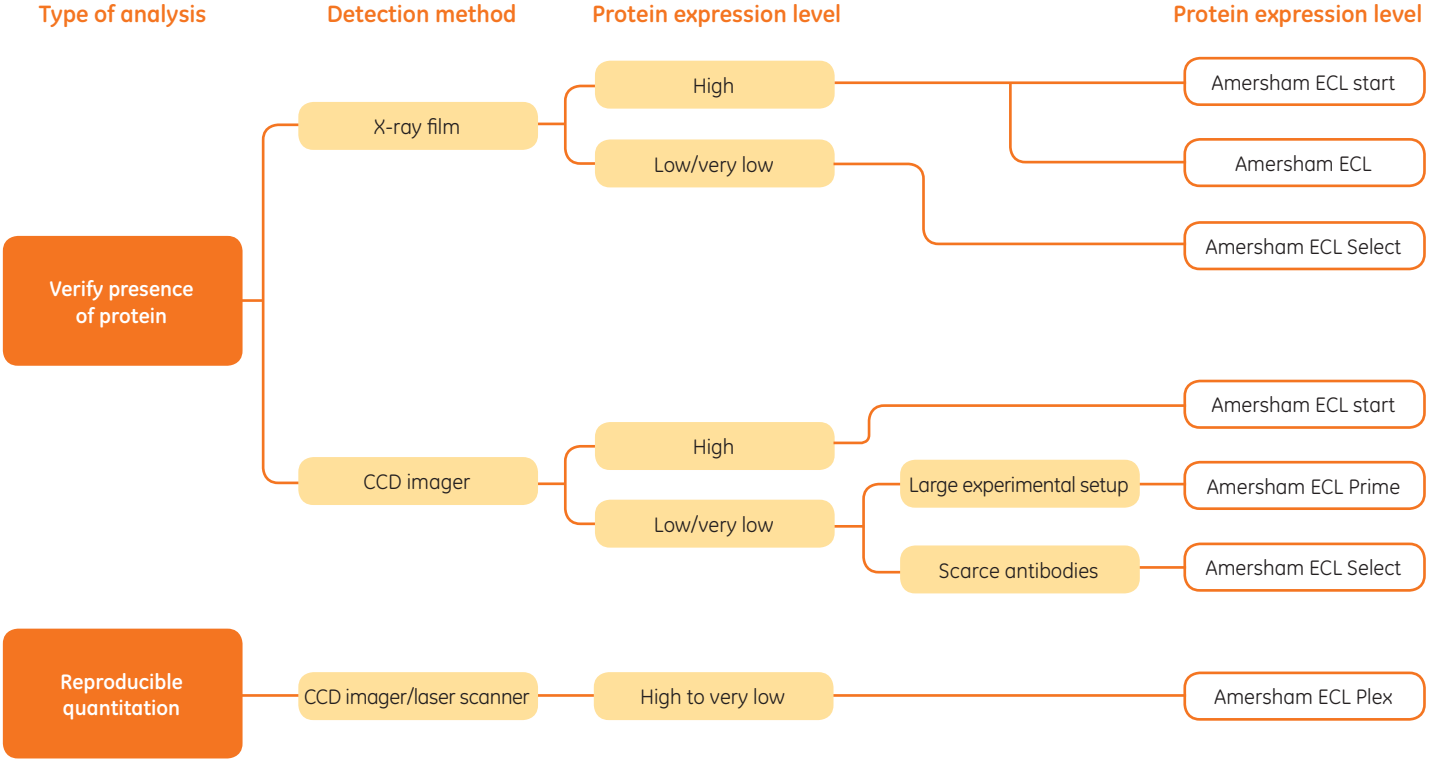
Amersham ECL Western blotting detection reagents – a variety of reagents, with the best choice depending on the aim of the experiment.

Amersham ECL Select: The most sensitive chemiluminescence ECL reagent in the Amersham ECL range. Detects the smallest change in protein expression and enables use of highly diluted antibodies. For detection of very low protein levels.

Amersham ECL Prime: Highly sensitive chemiluminescent detection reagent with long-lasting signal for accurate detection of minute changes in protein levels. Recommended for detection of proteins with low expression levels.

Amersham ECL: The original ECL Western blotting detection reagent. Recommended for detection of proteins expressed at medium or high levels.

Amersham ECL start: Long-lasting signal provides assay design flexibility and robust detection of large experimental sets. For detection of proteins expressed at medium or high levels.



Imaging

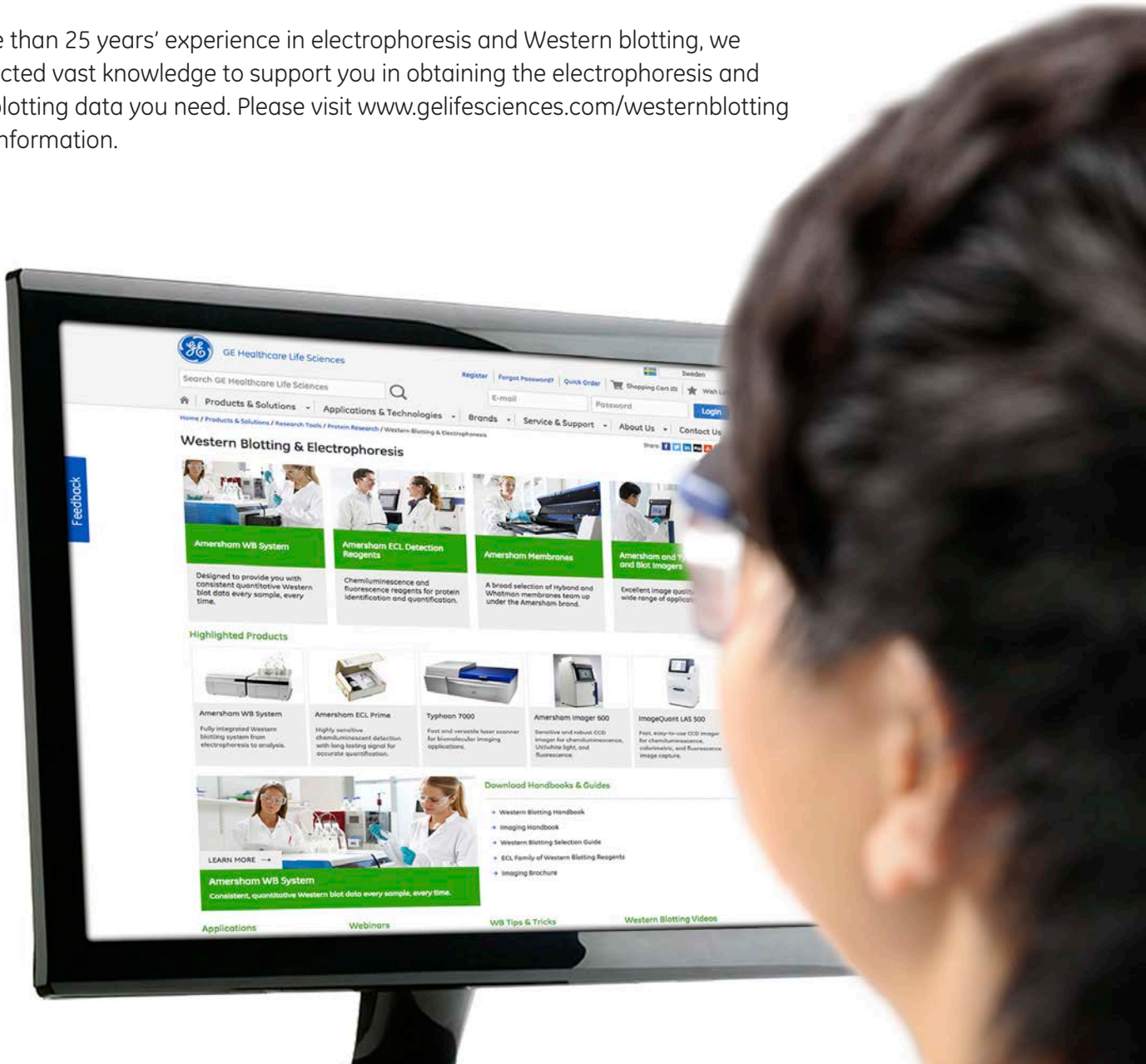
Amersham Hyperfilm – outstanding sensitivity and clarity for reliable image quality that meets your research needs

Amersham Hyperfilm ECL: Highly sensitive film for detection of chemiluminescent signals. Clear, colorless background and anti-static layer result in minimal occurrence of visual artifacts, high contrast, and improved band visibility.

Amersham Hyperfilm MP: Multipurpose film recommended for use in multidisciplinary laboratories in which both blots and sequencing experiments are performed. Compatible with all commonly used radioisotopes.

Support for better blots

With more than 25 years' experience in electrophoresis and Western blotting, we have collected vast knowledge to support you in obtaining the electrophoresis and Western blotting data you need. Please visit www.gelifesciences.com/westernblotting for more information.



The products in this guide are available from GE Healthcare distributors. Find your local distributor at www.gelifesciences.com/distributors. For more information about the products, visit www.gelifesciences.com.

Electrophoresis

Instruments

Product	Quantity	Product code	Description
MiniVE	1	80641877	System for gel casting, electrophoresis, and blotting in one convenient unit (blot unit sold separately). Handles gel cassettes up to 10 × 10.5 cm (W × H). Supplied with the system: 3 rectangular glass plates, 3 notched plates, 2 gel modules, 2 1.0 mm thick 10-well combs, and 2 1.0 mm thick spacer sets.
EPS301 Power Supply	1	18113001	Power supply for use with electrophoresis and transfer equipment.

Reagents

Product	Quantity	Product code	Description
PlusOne Acrylamide PAGE	1000 g	17130202	Especially suitable for SDS and native PAGE techniques due to extremely low concentrations of impurities that may interfere with the polymerization reaction.
PlusOne N,N'-Methylenebisacrylamide	100 g	17130402	Cross-linker used with acrylamide for PAGE techniques.
PlusOne Tris	500 g	17132101	Component of electrophoresis buffers (e.g., Laemmli buffer). Suitable for preparing buffers in the pH range of 7.2 to 9.0.
PlusOne Glycine	500 g	17132301	Component of electrophoresis buffers (e. g., Laemmli buffer).
PlusOne Ammonium Persulfate	25 g	17131101	Initiator of choice for the polymerization of acrylamide gels.
PlusOne TEMED	25 ml	17131201	Catalyst for the polymerization of acrylamide when used with ammonium persulfate.
PlusOne Dithiothreitol (DTT)	1 g	17131801	Reducing agents included in the sample loading buffer to break any disulfide bonds present and to maintain all proteins in their fully reduced state.
PlusOne Glycerol (87%)	1 l	17132501	Component of protein electrophoresis sample loading buffer.
PlusOne Sodium Dodecyl Sulfate	100 g	17131301	SDS is an ionic detergent used to solubilize proteins.
PlusOne Bromophenol Blue	10 g	17132901	Electrophoresis tracking dye used as component in protein electrophoresis sample loading buffer.

Protein markers

Product	Quantity	Product code	Description
Amersham ECL Rainbow Marker-Full range	250 µl	RPN800E	M_r 12 000 to 225 000; ten separate proteins with six different visible colors. Monitor progress of protein electrophoresis and assess transfer efficiency and molecular weight of blotted proteins without staining.
Amersham ECL Rainbow Marker-High range	250 µl	RPN756E	M_r 12 000 to 225 000; eight separate proteins with six different visible colors. Monitor progress of protein electrophoresis and assess transfer efficiency and molecular weight of blotted proteins without staining.
Amersham ECL Rainbow Marker-Low range	250 µl	RPN755E	M_r 3500 to 38 000; seven separate proteins with five different visible colors. Monitor progress of protein electrophoresis and assess transfer efficiency and molecular weight of blotted proteins without staining.
Amersham ECL DualVue Marker	25 loadings	RPN810	Detect proteins on gels and membranes, as well as on film; M_r 15 000 to 150 000, with three bands visible on gels and blotting membranes and seven bands visible on chemiluminescence image.
Amersham ECL Plex Rainbow Marker	120 µl	RPN850E	Protein molecular weight marker bands visible on gels and membranes, as well as on fluorescence images using Cy3 and Cy5 channels. M_r 12 000 to 225 000.
Amersham ECL Plex Rainbow Marker	500 µl	RPN851E	Protein molecular weight marker bands visible on gels and membranes, as well as on fluorescence images using Cy3 and Cy5 channels. M_r 12 000 to 225 000.

Transfer

Instruments

Product	Quantity	Product code	Description
MiniVE Blotting Unit	1	80641896	For use with MiniVE Vertical electrophoresis system. Run four mini-blots at once and complete semi-wet blotting in 45 min with only 300 ml buffer. Supplied with 3 Dacron™ sponges 6 mm (1/4") thick and 25 blotting paper sheets.
TE22 Mini Tank Transfer Unit	1	80620426	Instrument dedicated for wet transfer. Perform protein transfers of four mini-gels up to 9 × 10 cm in about 1 l of buffer in less than 1 h. Supplied with: 4 gel cassettes, 8 foam sponges with 3 mm (0.125 inch) thickness, 4 foam sponges with 6 mm (0.25 inch) thickness, and 25 blotting paper sheets.
TE62 Transfer Cooled Unit	1	80620958	Instrument dedicated for wet transfer. Perform protein transfers of four 15 × 21 cm gels or 16 mini-gels. Supplied with: 4 gel cassettes, 8 foam sponges with 3 mm (0.125 inch) thickness, 4 foam sponges with 6 mm (0.25 inch) thickness, and 25 blotting paper sheets.
TE70 SemiDry Transfer Unit	1	TE70	Suitable for gels up to 21 × 26 cm or four side-by-side mini-gels. Supplied with: 25 blotting paper sheets, 50 cellophane sheets, 2 solid masks, and masks for 7 × 8 cm and 14 × 16 cm gels.
TE70PWR SemiDry Transfer Unit	1	11001341	With a built-in power supply and an automatic stopping feature. Suitable for gels 21 × 26 cm or four side-by-side mini-gels. Supplied with 25 blotting paper sheets, 50 cellophane sheets, solid mask, and mask for 14 × 16 cm gels.
TE77 SemiDry Transfer Unit	1	TE77	Suitable for gels up to 21 × 26 cm or four side-by-side mini-gels. Supplied with: 25 blotting paper sheets, 50 cellophane sheets, 2 solid masks, and mask for 14 × 16 cm gels.
TE77PWR SemiDry Transfer Unit	1	11001342	With a built-in power supply and automatic stopping feature. Suitable for gels up to 21 × 26 cm or four side-by-side mini-gels. Supplied with: 25 blotting paper sheets, 50 cellophane sheets, solid mask, and mask for 14 × 16 cm gels.
EPS301 Power Supply	1	18113001	Power supply for use with electrophoresis and transfer equipment.
PlusOne Sodium Dodecyl Sulfate	100 g	17131301	SDS is an ionic detergent used to solubilize proteins.
PlusOne Bromophenol Blue	10 g	17132901	Electrophoresis tracking dye used as component in protein electrophoresis sample loading buffer.

Reagents

Product	Quantity	Product code	Description
PlusOne Tris	500 g	17132101	Component of transfer buffers (e.g., Towbin buffer). Suitable for preparing buffers in the pH range of 7.2 to 9.0.
PlusOne Glycine	500 g	17132301	Component of transfer buffers (e.g., Towbin buffer).
PlusOne Sodium Dodecyl Sulfate	100 g	17131301	SDS is an ionic detergent used to solubilize proteins.

Membranes and blotting papers

Product	Quantity	Product code	Description
3MM Chr blotting paper (20 × 20 cm)	100 sheets	3030861	Pure cellulose ensures uniformity of capillary action, which results in clean and even transfers; also ensures that no contamination will occur during the transfer steps.
Nitrocellulose membranes			
Amersham Protran 0.1	1 roll, 30 cm × 4 m	10600000	Versatile nitrocellulose membrane, with 0.1 µm pore size, provides excellent binding affinity for small proteins and peptides, as well as nucleic acids.
Amersham Protran 0.2	1 roll, 30 cm × 4 m	10600001	Nitrocellulose membrane, with 0.2 µm pore size and high surface area, for binding of small proteins (< M_r 20 000).
Amersham Protran 0.45	1 roll, 30 cm × 4 m	10600002	Nitrocellulose membrane, with 0.45 µm pore size, is suitable for proteins of a wide range of molecular weights.
Amersham Protran Premium 0.2	1 roll, 30 cm × 4 m	10600004	Nitrocellulose blotting membrane, with 0.2 µm pore size, provides excellent sensitivity, resolution, and low background in fluorescence Western blotting detection applications.
Amersham Protran Premium 0.45	1 roll, 30 cm × 4 m	10600003	Nitrocellulose blotting membrane, with 0.45 µm pore size, provides excellent sensitivity, resolution, and low background in fluorescence Western blotting detection applications.
Amersham Protran Supported 0.2	1 roll, 30 cm × 4 m	10600015	Robust protein blotting membrane, with 0.2 µm pore size, made of reinforced nitrocellulose for multiple reprobings.
Amersham Protran Supported 0.45	1 roll, 30 cm × 4 m	10600016	Robust protein blotting membrane, with 0.45 µm pore size, made of reinforced nitrocellulose for multiple reprobings.
PVDF membranes			
Amersham Hybond P 0.2	1 roll, 26 cm × 4 m	10600021	PVDF blotting membrane, with 0.2 µm pore size, for use with standard colorimetric and chemiluminescence detection methods for proteins of < M_r 20 000.
Amersham Hybond P 0.45	1 roll, 30 cm × 4 m	10600023	PVDF blotting membrane, with 0.45 µm pore size, for use with chemiluminescence and fluorescence detection methods for proteins of > M_r 20 000.
Amersham Hybond LFP	1 roll 25,4 cm × 4 m	10600022	PVDF protein blotting membrane, with 0.2 µm pore size, provides low auto-fluorescence across a wide range of excitation/emission wavelengths. Low-fluorescent PVDF membrane optimized for fluorescence Western blotting applications.
Blotting sandwich			
Amersham Protran 0.1	10 units, 8 × 9 cm	10600116	Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran 0.1 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Protran 0.2	10 units, 8 × 9 cm	10600115	Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran 0.2 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Protran 0.45	10 units, 8 × 9 cm	10600114	Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran 0.45 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Protran Premium 0.2	10 units, 8 × 9 cm	10600118	Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran Premium 0.2 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Protran Premium 0.45	10 units, 8 × 9 cm	10600117	Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran Premium 0.45 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Protran Supported 0.2	10 units, 8 × 9 cm	10600120	Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran Supported 0.2 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Protran Supported 0.45	10 units, 8 × 9 cm	10600119	Contains 10 Western blotting sandwiches, consisting of precut Amersham Protran Supported 0.45 µm nitrocellulose membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Hybond P 0.2	10 units, 8 × 9 cm	10600122	Contains 10 Western blotting sandwiches, consisting of precut Amersham Hybond P 0.2 µm PVDF membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Hybond P 0.45	10 units, 8 × 9 cm	10600121	Contains 10 Western blotting sandwiches, consisting of precut Amersham Hybond P 0.45 µm PVDF membranes preassembled with 2 × 3MM Chr Blotting papers.
Amersham Hybond LFP 0.2	10 units, 8 × 9 cm	10600123	Contains 10 Western blotting sandwiches, consisting of precut Amersham Hybond LFP 0.2 µm PVDF membranes preassembled with 2 × 3MM Chr Blotting papers.

Probing and detection

Blocking reagents

Product	Quantity	Product code	Description
Amersham ECL Prime Blocking Reagent	40 g	RPN418	For blocking of nitrocellulose and PVDF membranes in fluorescence Western blotting applications or when high sensitivity is needed. The product is dissolved in TBS or PBS depending on application. Sufficient for at least 20 miniblots.
Amersham ECL Blocking Agent	40 g	RPN2125	For blocking of nitrocellulose and PVDF membranes. Product is dissolved in TBS or PBS depending on application. Sufficient for at least 20 miniblots.

Secondary antibodies

Product	Quantity	Product code	Description
Amersham ECL Mouse IgG, HRP-linked whole Ab (from sheep)	1	NA931-1ml	HRP-conjugated secondary antibody for use with chemiluminescence Western blotting detection reagents.
Amersham ECL Rabbit IgG, HRP-linked whole Ab (from donkey	1	NA934-1ml	HRP-conjugated secondary antibody for use with chemiluminescence Western blotting detection reagents.
Amersham ECL Mouse IgG, HRP-linked F(ab)2 fragment (from sheep)	1	NA9310-1ml	HRP-conjugated secondary antibody for use with chemiluminescence Western blotting detection reagents.
Amersham ECL Rabbit IgG, HRP-linked F(ab)2 fragment (from donkey)	1	NA9340-1ml	HRP-conjugated secondary antibody for use with chemiluminescence Western blotting detection reagents.
Amersham ECL Plex goat-anti-rabbit IgG-Cy3	150 µg	28901106	Cy3 conjugated secondary antibody for use in fluorescence Western blotting applications.
Amersham ECL Plex donkey-anti-mouse IgG-Cy3	150 µg	PA43009	Cy3 conjugated secondary antibody for use in fluorescence Western blotting applications.
Amersham ECL Plex goat-anti-rabbit IgG-Cy5	150 µg	PA45011	Cy5 conjugated secondary antibody for use in fluorescence Western blotting applications.
Amersham ECL Plex donkey-anti-mouse IgG-Cy5	150 µg	PA45010	Cy5 conjugated secondary antibody for use in fluorescence Western blotting applications.

Detection reagents

Product	Quantity	Product code	Description
Amersham ECL Select	100 ml	RPN2235	The most sensitive chemiluminescence Western blotting reagent in the Amersham ECL range. Detects the smallest change in protein expression and enables use of highly diluted antibodies. For detection of very low protein levels.
Amersham ECL Prime	100 ml	RPN2232	Highly sensitive chemiluminescence detection reagent with long-lasting signal for accurate detection of minute changes in protein levels. Recommended for detection of low-expression proteins.
Amersham ECL Prime	300 ml	RPN2236	Highly sensitive chemiluminescence detection reagent with long-lasting signal for accurate detection of minute changes in protein levels. Recommended for detection of low-expression proteins.
Amersham ECL	250 ml	RPN2209	The first and highly cited ECL Western blot detection reagent. Recommended for detection of highly to medium expressed proteins.
Amersham ECL	500 ml	RPN2106	The first and highly cited ECL Western blot detection reagent. Recommended for detection of highly to medium expressed proteins.
Amersham ECL	7500 ml	RPN2134	The first and highly cited ECL Western blot detection reagent. Recommended for detection of highly to medium expressed proteins.
Amersham ECL start	200 ml	RPN3243	Working solution is stable for 5 days and provides assay design flexibility and robust detection of large experimental sets. For detection of highly to medium expressed proteins.
Amersham ECL start	400 ml	RPN3244	Working solution is stable for 5 days and provides assay design flexibility and robust detection of large experimental sets. For detection of highly to medium expressed proteins.

Imaging

Film

Product	Quantity	Product code	Description
Amersham Hyperfilm ECL (5 × 7 inches)	50 sheets	28906835	Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets.
Amersham Hyperfilm ECL (8 × 10 inches)	50 sheets	28906838	Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets.
Amersham Hyperfilm ECL (8 × 10 inches)	100 sheets	28906839	Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets.
Amersham Hyperfilm ECL (18 × 24 cm)	50 sheets	28906836	Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets.
Amersham Hyperfilm ECL (18 × 24 cm)	100 sheets	28906837	Film suitable for use with all blue and green light chemiluminescence detection systems. High sensitivity allows detection of low concentration of nucleic acid and protein targets.
Amersham Hyperfilm MP (5 × 7 inches)	50 sheets	28906842	Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: ^{32}P, ^{33}P, ^{125}I Southern, Northern, and Western blots; ^{32}S, ^{33}P, ^{35}P sequencing; fluorography of ^{3}H, ^{14}C, and ^{35}S.
Amersham Hyperfilm MP (8 × 10 inches)	50 sheets	28906845	Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: ^{32}P, ^{33}P, ^{125}I Southern, Northern, and Western blots; ^{32}S, ^{33}P, ^{35}P sequencing; fluorography of ^{3}H, ^{14}C, and ^{35}S.
Amersham Hyperfilm MP (8 × 10 inches)	100 sheets	28906846	Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: ^{32}P, ^{33}P, ^{125}I Southern, Northern, and Western blots; ^{32}S, ^{33}P, ^{35}P sequencing; fluorography of ^{3}H, ^{14}C, and ^{35}S.
Amersham Hyperfilm MP (18 × 24 cm)	50 sheets	28906843	Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: ^{32}P, ^{33}P, ^{125}I Southern, Northern, and Western blots; ^{32}S, ^{33}P, ^{35}P sequencing; fluorography of ^{3}H, ^{14}C, and ^{35}S.
Amersham Hyperfilm MP (18 × 24 cm)	100 sheets	28906844	Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: ^{32}P, ^{33}P, ^{125}I Southern, Northern, and Western blots; ^{32}S, ^{33}P, ^{35}P sequencing; fluorography of ^{3}H, ^{14}C, and ^{35}S.
Amersham Hyperfilm MP Enveloped (18 × 24 cm)	50 sheets	28906850	Film recommended for multidisciplinary laboratories in which blots and sequencing experiments are performed. High performance in all applications: ^{32}P, ^{33}P, ^{125}I Southern, Northern, and Western blots; ^{32}S, ^{33}P, ^{35}P sequencing; fluorography of ^{3}H, ^{14}C, and ^{35}S. Individual sheets sealed in light-tight envelopes.

Imagers

Product	Quantity	Product code	Description
ImageQuant™ LAS 500	1	29005063	Touch screen CCD camera for chemiluminescence detection of mini gels and blots.
Amersham Imager 600UV	1	29083463	Sensitive and robust imager for chemiluminescence, UV transillumination, and UV fluorescence analysis of protein and DNA samples in gels and membranes.
Amersham Imager 600	1	29083461	Sensitive and robust chemiluminescence imager for high-resolution digital imaging of protein and DNA samples in gels and membranes.
Amersham Imager 600QC	1	29083464	CCD imager for accurate and routine densitometric quantitation of gels and blots within regulatory environments.
Amersham Imager 600RGB	1	29083467	Sensitive and robust imager for chemiluminescence, UV and white light transillumination, and multifluorescence analysis of protein and DNA samples in gels and membranes.
Typhoon™ FLA 9500	1	29004080	A versatile laser scanner for detection of multiplex flourescence blot using a large scanning area (40 × 46 cm).

The data and flexibility you need. From gene to cell.

Committed to simplifying research without sacrificing output.

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