

GE Healthcare

Amersham™ CyDye™ NIR secondary antibodies

Product Guide

29360784	Amersham CyDye 700 goat-anti-mouse (0.1 mg)
29360785	Amersham CyDye 700 goat-anti-mouse (0.5 mg)
29360786	Amersham CyDye 700 goat-anti-rabbit (0.1 mg)
29360787	Amersham CyDye 700 goat-anti-rabbit (0.5 mg)
29360788	Amersham CyDye 800 goat-anti-mouse (0.1 mg)
29360789	Amersham CyDye 800 goat-anti-mouse (0.5 mg)
29360790	Amersham CyDye 800 goat-anti-rabbit (0.1 mg)
29360791	Amersham CyDye 800 goat-anti-rabbit (0.5 mg)



1. Technical Information

The Amersham CyDye 700 and 800 range (Amersham CyDye NIR secondary antibodies) consist of lyophilized secondary antibody reagents raised in goat against mouse or rabbit primary antibodies.

The secondary antibodies are labelled with Near InfraRed (NIR) fluorophores emitting at wavelengths of 700 nm or 800 nm, thereby enabling multiplexed experiments. Pack sizes for each reagent are either 0.1 mg or 0.5 mg.

Warning: For Research Use Only.

Not recommended or intended for diagnosis of disease in humans or animals. Do not use internally or externally in humans or animals. See material data sheets for specific advice.

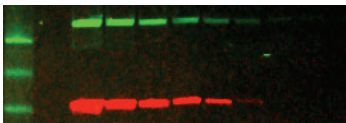
On receipt store the lyophilized Amersham CyDye NIR secondary antibody reagents at 2–8°C, protected from light. The materials are stable for at least 18 months in lyophilized form. Lyophilized material should be reconstituted in water. For the 0.1 mg pack, reconstitute in 100 µl and for the 0.5 mg pack, reconstitute in 500 µl. Once reconstituted, aliquots should be stored at 2–8°C, protected from light. Avoid repeated freeze-thaw cycles. The reconstituted materials are stable for up to 6 months.

2. Quick Start protocol

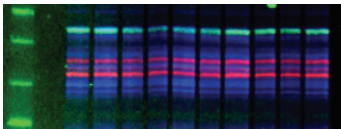
- Perform standard gel electrophoresis and western blotting procedures (recommended membrane is NitroCellulose)
- Always handle the membrane with the protein side up
- Block the membrane with 2% ECL™ Prime blocking reagent in PBS-Tween or TBS-Tween
- Dilute the primary antibody according to recommendations
- Wash the membrane, incubate with the primary antibody
- Reconstitute the appropriate Amersham CyDye NIR secondary antibody to cross react with the primary antibody species
- Dilute the Amersham CyDye NIR secondary antibodies to the optimised level for the application. We recommend dilution at 1:25000 but this is the responsibility of the user
- Wash the membrane and incubate with the Amersham CyDye NIR secondary antibodies
- Wash the membrane, the last wash should be carried out in the absence of Tween
- Scan the membrane on an appropriate system using filter settings for NIR at either 700 nm or 800 nm emission, using for example the Amersham Typhoon™ 5 / NIR or NIR Plus systems

3. Additional Information

- Ease of use
- More target proteins
- Reliable and accurate
- Total workflow supported



Detection of β -galactosidase at 685 nm (green), diluted 1:2 from 48 ng and Tubulin at 785 nm (red), diluted 1:2 from 25 ng. Scanning performed with Amersham Typhoon 5.



CHO cell lysate (8–12 μ g). Total protein (dark blue) detected at 532 nm, tubulin (light blue) detected at 685nm and ERK (red) detected at 785 nm using Amersham Typhoon 5.

4. Related products

Product name	Quantity	Product code
Amersham Protran™ Premium 0.45 µm NC 80 mm × 90 mm	25 sheets/PK	10600096
Amersham Protran Premium Sandwich 0.45 µm NC + 3 MM Chr Paper 80 mm × 90 mm	10+20/PK	10600117
Amersham Protran Premium Sandwich 0.45 µm NC + 3 MM Chr Paper 140 mm × 160 mm	10+20/PK	10600106
Amersham ECL Prime Blocking Reagent	40 g	RPN418
Amersham Typhoon 5	1	29187191
Amersham Typhoon NIR Plus	1	29264463
Amersham Typhoon NIR	1	29238583
ImageQuant™ TL, node locked	1	29291744

5. Legal

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