



Amersham CyDye NIR

secondary antibodies

Product Guide

Table of Contents

1	Introduction	3
2	Quick Start protocol	4
3	Additional Information	5
4	Related products	7

1 Introduction

Product codes

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)

About

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.

Important

Read these instructions carefully before using the products.

Intended use

The products are intended for research use only, and shall not be used in any clinical or *in vitro* procedures for diagnostic purposes.

Safety

For use and handling of the products in a safe way, refer to the material Data Sheets.

Storage and Expiry

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

Step	Action
------	--------

- | | |
|---|---|
| 1 | Perform standard gel electrophoresis and western blotting procedures (recommended membrane is NitroCellulose) |
|---|---|

Note:

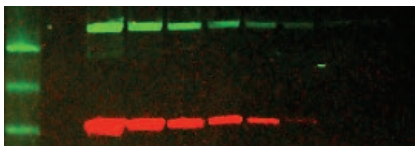
Always handle the membrane with the protein side up

- | | |
|---|---|
| 2 | Block the membrane with 2% ECL™ Prime blocking reagent in PBS-Tween™ or TBS-Tween |
| 3 | Dilute the primary antibody according to recommendations |

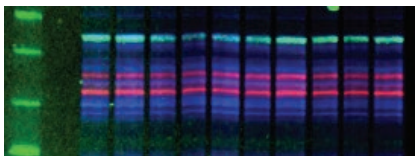
Step	Action
4	Wash the membrane, incubate with the primary antibody
5	Reconstitute the appropriate Amersham CyDye NIR secondary antibody to cross react with the primary antibody species
6	Dilute the Amersham CyDye NIR secondary antibodies to the optimised level for the application. We recommend dilution at 1:25000 but this is the responsibility of the user
7	Wash the membrane and incubate with the Amersham CyDye NIR secondary antibodies
8	Wash the membrane, the last wash should be carried out in the absence of Tween
9	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



cytiva.com

Cytiva and the Drop logo are trademarks of Global Life Sciences IP Holdco LLC or an affiliate.

Amersham, CyDye, ECL, ImageQuant, Protran, and Typhoon are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva.

The purchase of CyDye products includes a limited license to use the CyDye products for internal research and development but not for any commercial purposes. Cy and CyDye are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva. A license to use the Cy and CyDye trademarks for commercial purposes is subject to a separate license agreement with Cytiva. Commercial use shall include:

1. Sale, lease, license or other transfer of the material or any material derived or produced from it.
2. Sale, lease, license or other grant of rights to use this material or any material derived or produced from it.
3. Use of this material to perform services for a fee for third parties, including contract research and drug screening.

If you require a commercial license to use the Cy and CyDye trademarks, please contact LSlicensing@cytiva.com.

Tween is a trademark of Croda Group of Companies.

All other third-party trademarks are the property of their respective owners.

© 2020–2021 Cytiva

All goods and services are sold subject to the terms and conditions of sale of the supplying company operating within the Cytiva business. A copy of those terms and conditions is available on request. Contact your local Cytiva representative for the most current information.

For local office contact information, visit cytiva.com/contact

29387525 AB V:4 02/2021