Datasheet: 1351009

Description:	READILINK™ 750/780 ANTIBODY LABELING KIT
Name:	READILINK™
Format:	750/780
Product Type:	Conjugation Kit
Quantity:	2 CONJUGATIONS for 50 µg antibody

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Conjugation	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Product Information

ReadiLink Antibody Labeling Kits offer easy fluorescence conjugations for microscale volumes (50-100 µg). Each ReadiLink Dye is coupled to a reactive moiety (a succinimidyl ester). The reactive dye selectively binds to primary amines of proteins to form a stable carboxamide bond, ensuring no dissociation between fluorophore and antibody. After conjugation and the addition of the quencher buffer, any unbound ReadiLink Dye will bind to the quencher and become nonfluorescent.

The ReadiLink Antibody Labeling Kit provides all the essential components for performing two conjugation reactions (2 x 50 µg). Each kit can be used to label monoclonal or polyclonal antibodies or other proteins (>10 kDa).

Reagents In The Kit

2 vials ReadiLink Labeling Dye (powder) (**Note:** Use one vial to label 50 µg of antibodies)

1 vial (20 µl) Reaction Buffer

1 vial (20 µl) Quench Buffer

Instructions For Use

Important: Thaw all kit components prior to use.

Note: The antibody of interest must be suspended in phosphate buffered saline (PBS), pH 7.2-7.4, or be dialyzed against PBS prior to conjugation to remove free amines or

ammonium salts in the solution.

Note: The optimal antibody conjugation is 1 mg/ml. A conjugation performed at a different conjugation concentration may cause suboptimal labeling.

1. Suspend the antibody of interest in PBS to create a 1 mg/ml concentration.

2. Add 5 µl reaction buffer to 50 µl antibody solution from step 1.

3. Mix well by pipetting up and down a few times.

4. Add the entire volume (55 µl) to **one** vial of labeling dye and mix by pipetting.

5. Incubate for 60 min at room temperature.

6. Add 5 µl quencher to the reaction mixture.

7. Incubate for 10 min at room temperature.

Antibodies are now labeled and ready to use.

Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted.
Guarantee	Guaranteed until date of expiry. Please see product label.
Acknowledgements	ReadiLink™ is a trademark of AAT Bioquest, Inc.
Health And Safety Information	Material Safety Datasheet documentation #1351001 available at: 1351001: https://www.bio-rad-antibodies.com/uploads/MSDS/1351001.pdf
Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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Printed on 14 Jan 2022