

Datasheet: LNK043B

Description:	LYNX RAPID BIOTIN (TYPE 1) ANTIBODY CONJUGATION KIT
Name:	BIOTIN (TYPE 1) CONJUGATION KIT
Format:	Kit
Product Type:	Conjugation Kit
Quantity:	3 CONJUGATIONS for 20µg 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	▪			

We recommend that for each conjugation the user determines the best antibody:conjugate ratio.

Product Information

LYNX Rapid Biotin (Type 1) Antibody Conjugation Kit® enables the rapid conjugation of a pre-prepared lyophilized mixture containing Biotin label to an antibody or protein. Activation of proprietary reagents within the antibody-label solution results in the coupling of the antibody to Biotin, which has an extended spacer.

The LYNX Rapid Conjugation kit® can be used to label small quantities of antibody/protein at near neutral pH, allowing a high conjugation efficiency with 100% antibody recovery.

This kit has been optimized for the additional use of a streptavidin labelled reagent. For customers intending to capture their conjugate on Streptavidin coated plates, we recommend our [LYNX Rapid Biotin \(Type 2\) Antibody Conjugation Kit](#) instead.

Reagents In The Kit

3 Vials 10ug LYNX lyophilized Biotin mix
1 Vial LYNX Modifier reagent
1 Vial LYNX Quencher reagent

Preparing The Antibody

The following buffer solutions are recommended:for preparing the antibody:

10-50mM amine-free buffer (e.g HEPES, MES, MOPS and phosphate) pH range 6.5-8.5, although moderate concentrations of Tris buffer (<20mM) may be tolerated.

If possible, avoid buffers containing nucleophilic components such as primary amines and thiols (e.g. thiomersal/thimerosal) since they may react with LYNX chemicals . Azide (0.02-0.1%), EDTA and common non-buffering salts and sugars have little or no effect on conjugation efficiency.

It is recommended that 10-20ug antibody be used in each labelling reaction. For optimal results the antibody volume should be 5-10ul, at a concentration range of 1-4mg/ml.

- Instructions For Use**
1. To the antibody sample add 1ul of the Modifier reagent for every 10ul of antibody and mix gently.
 2. Pipette the mixed antibody-modifier sample directly onto the LYNX lyophilized mix and gently pipette up and down twice to resuspend.
 3. Replace cap onto vial and incubate at room temperature (20-25°C) for 3 hours, or overnight if preferred.
 4. After incubation, add 1ul of Quencher reagent for every 10ul of antibody used. Leave to stand for 30 minutes before use.

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- References**
1. Ho, A.S. *et al* (2010) Novel biomarkers predict liver fibrosis in hepatitis C patients: alpha 2 macroglobulin, vitamin D binding protein and apolipoprotein AI. [J Biomed Sci. 17: 58.](#)
 2. Levit-Zerdoun, E. *et al.* (2016) Survival of Igα-Deficient Mature B Cells Requires BAFF-R Function. [J Immunol. 196 \(5\): 2348-60.](#)

Storage

Store kit at -20°C only.
Newly-conjugated antibody can be stored at 4°C. For long term storage however, the addition of a preservative is recommended.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.
Avoid repeated freezing and thawing.

Shelf Life 12 months after despatch

Health And Safety Information

Material Safety Datasheet documentation #10533 #10546 #10548 available at:
Lyophilized Biotin Mix (Type 1) (10533): <https://www.bio-rad-antibodies.com/uploads/MSDS/10533.pdf>
Modifier Reagent (10546): <https://www.bio-rad-antibodies.com/uploads/MSDS/10546.pdf>
Quencher Reagent (10548): <https://www.bio-rad-antibodies.com/uploads/MSDS/10548.pdf>

Licensed Use

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