Product Datasheet

Lightning-Link (R) Rapid Alexa Fluor 647 Antibody Labeling Kit

336-0005

Unit Size: 100 ug

Store at -20C.

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Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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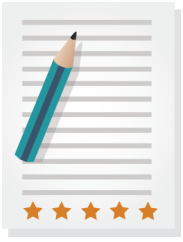
Updated 10/23/2024 v.20.1



336-0005

Lightning-Link (R) Rapid Alexa Fluor 647 Antibody Labeling Kit

Product Information

Unit Size	100 ug
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C.
Conjugate	Alexa Fluor 647

Product Description

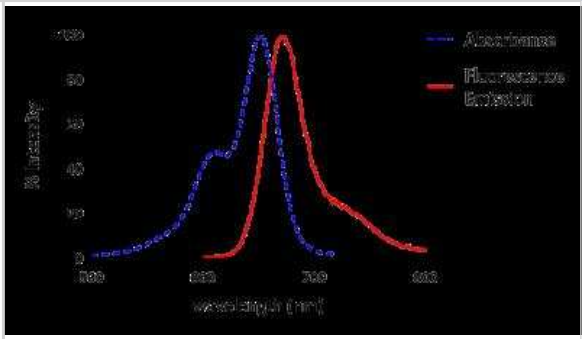
Description	Lightning-Link Rapid Antibody Labeling kits enable direct labeling of antibodies, proteins, peptides or other biomolecules (see protocol for further information) and allow conjugations to be set up in seconds, and used within minutes (less than 20 minutes). Our Lightning-Link Rapid technology can be used to label small quantities of antibody with 100% recovery. The researcher simply pipettes the antibody or other biomolecule into a vial of lyophilized mixture containing the label of interest and incubates the reaction for **only 15 minutes** (for more details please watch the video below). As there are no desalting or dialysis steps that commonly interrupt traditional protein labeling procedures. **Features Benefits** Quick and easy to use Save time, no special knowledge required No separation steps 100% recovery - no antibody/protein loss Can be used in a wide range of applications Flexible Freeze dried Ships at ambient temperature, long shelf-life Fully scalable (10 ug to 1 g or more) Easy transfer from R&D to manufacturing Stringently QC tested Consistent high quality, excellent batch-to-batch reproducibility Large number of labels available Experimental flexibility Reliable: nearly 300 references Successfully used in many fields of research Learn more about Lightning-Link™ Conjugation Kits by reading FAQs For more information please check out these useful links! Antibody Labeling Guide Antibody Conjugation Illustrated Assay
Kit Components	1 glass vial of Lightning-Link® Rapid mix, 1 vial of LL Rapid Modifier reagent, 1 vial of LL Rapid Quencher reagent
Notes	This product is manufactured by Abcam and distributed by Novus Biologicals. This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt and this statement overrides any mentioned guarantee period on the limitations section of this products datasheet. Please contact technical@novusbio.com with questions.

Product Application Details

Application Notes	By circumventing the desalting or dialysis steps that commonly interrupt traditional antibody conjugation procedures, LightningLink technology can be used to label both small (e.g. 10 ug) and large quantities of primary antibodies with ease. Batch-to-batch variation upon scale up is minimal as the process is so simple, and recoveries are always 100%.

Images

Lightning-Link (R) Rapid Alexa Fluor 647 Antibody Labeling Kit [336-0005] - Scans of the Absorbance and Fluorescence Emission of a Lightning-Link® Rapid Alexa Fluor® 647 Conjugate



Publications

Kayagaki N, Stowe IB, Alegre K et al. Inhibiting membrane rupture with NINJ1 antibodies limits tissue injury Nature 2023-05-17 [PMID: 37196676]

Wanner N, Barnhart J, Apostolakis N Et al. Using the Autofluorescence Finder on the Sony ID7000(TM) Spectral Cell Analyzer to Identify and Unmix Multiple Highly Autofluorescent Murine Lung Populations Front Bioeng Biotechnol 2022-04-04 [PMID: 35372303]

Details:
Citation using the Alexa Fluor 532 version of this antibody.

Awasthi S, Knox JJ, Desmond A Et al. Trivalent nucleoside-modified mRNA vaccine yields durable memory B cell protection against genital herpes in preclinical models The Journal of clinical investigation 2021-10-07 [PMID: 34618692]

Alameh MG, TombAcz I, Bettini E Et al. Lipid nanoparticles enhance the efficacy of mRNA and protein subunit vaccines by inducing robust T follicular helper cell and humoral responses Immunity 2021-11-01 [PMID: 34852217]

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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