

Product Datasheet

Lightning-Link (R) Avidin Antibody Labeling Kit 717-0030

Unit Size: 3 x 10ug Reaction

Store at -20C. Avoid freeze-thaw cycles.

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717-0030**Lightning-Link (R) Avidin Antibody Labeling Kit**

Product Information	
Unit Size	3 x 10ug Reaction
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Conjugate	Avidin
Buffer	This kit contains 3x10ug reactions.

Product Description	
Description	<p>Lightning-Link is an innovative technology that enables direct labeling of proteins, peptides or other biomolecules. The researcher simply pipettes the biomolecule into a vial of lyophilized mixture containing the label of interest and incubates. Despite its apparent simplicity, the Lightning-Link process is sophisticated and generates conjugates with performance characteristics identical to, or better than, those prepared with laborious multistep conjugation procedures.</p> <p>Features/Benefits 30 seconds hands-on time Easy to use antibody labeling kit No separation steps Antibody recovery is 100% No losses Applicable to Western Blott, ELISA, Immunohistochemistry, Immunofluorescence, and FACS analysis Scalable technology From 10 ug up to 5 mg</p> <p>Avidin is a 66kDa tetrameric glycoprotein composed of four identical subunits, which has widespread applications due to its very high affinity to the vitamin biotin.</p>
Kit Components	1 or 3 glass vial(s) of Lightning-Link mix, 1 vial of LL-Modifier reagent, 1 vial of LL-Quencher reagent
Notes	<p>Learn more about Lightning-Link™ Conjugation Kits by reading FAQs</p> <p>For more information please check out these useful links! Antibody Labeling Guide Antibody Conjugation Illustrated Assay</p> <p>This product is manufactured by Expedeon Inc. and distributed by Novus Biologicals.</p>

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%. This kit is supplied with 3 vials, each suitable for labeling up to 10 ug of antibody.

Publications

Breman E, Ruben JM, Franken KL et al. Uptake of HLA Alloantigens via CD89 and CD206 Does Not Enhance Antigen Presentation by Indirect Allorecognition J Immunol Res. 2016-06-20 [PMID: 27413760] (FLOW)

Tanriver Y, Ratnasothy K, Bucy RP et al. Targeting MHC Class I Monomers to Dendritic Cells Inhibits the Indirect Pathway of Allorecognition and the Production of IgG Alloantibodies Leading to Long-Term Allograft Survival. J Immunol. 2010-01-01 [PMID: 20083658]



Procedures

Antibody Labeling Guide (717-0030)

Our Lightning-Link Antibody Labeling Guide is a user friendly tool that allows you to learn the basics of common antibody labeling methods. It also describes Lightning-Link technology, which massively simplifies the production of labeled antibodies. The Lightning-Link approach requires no knowledge of chemistry and the hands-on time is just 30 seconds.

Visit this link to read our Antibody Labeling Guide:

<http://www.novusbio.com/support/support-by-application/antibody-conjugation/illustrated-assay.html>

This How To Guide Covers:

- Types of Immuno-experiments and Associated Labels
- Direct vs. Indirect Detection Methods
- Antibody Labeling Methods
- Buffers and Additives
- Antibody Concentration and Purity
- Benefits of Lightning-Link Antibody Labeling Kit





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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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