

# Product Datasheet

## Lightning-Link (R) Avidin Antibody Labeling Kit 717-0015

Unit Size: 1 x 1mg Reaction

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

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**717-0015****Lightning-Link (R) Avidin Antibody Labeling Kit**

<b>Product Information</b>	
<b>Unit Size</b>	1 x 1mg Reaction
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Conjugate</b>	Avidin
<b>Product Description</b>	
<b>Description</b>	<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><b>Features</b>  <b>Benefits</b>  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>
<b>Kit Components</b>	1 or 3 glass vial(s) of Lightning-Link mix, 1 vial of LL-Modifier reagent, 1 vial of LL-Quencher reagent
<b>Notes</b>	<p>Learn more about Lightning-Link™ Conjugation Kits by reading <a href="#">FAQs</a></p> <p>For more information please check out these useful links!  <a href="#">Antibody Labeling Guide</a>  <a href="#">Antibody Conjugation Illustrated Assay</a></p> <p>This product is manufactured by Expedeon Inc. and distributed by Novus Biologicals.</p>

**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]

Al-Dujaili EA, Mullins LJ, Bailey MA, Kenyon CJ. Development of a Highly Sensitive ELISA for Aldosterone in Mouse Urine: Validation in Physiological Pathophysiological States of Aldosterone Excess Depletion - . Steroids. 2008-01-01 [PMID: 19162057]

Bao S, Wu Q, Li Z et al. Targeting Cancer Stem Cells through L1CAM Suppresses Glioma Growth. Cancer Res 2008-01-01 [PMID: 18676824]

Marr AK, Jenssen H, Moniri MR et al. Bovine lactoferrin and lactoferricin interfere with intracellular trafficking of Herpes simplex virus-1. Biochemie 2009-01-01 [PMID: 18573311]

Velappan N, Clements J, Kiss C et al. Fluorescence linked immunosorbant assays using microtiter plates. J Immunol Methods. 2013-01-01 [PMID: 18514691]



## Procedures

### Antibody Labeling Guide (717-0015)

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.

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