

Product Datasheet

Lightning-Link (R) APC-Cy7 Antibody Labeling Kit 765-0010

Unit Size: 3 x 100ug Reaction

Store at -20C.

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765-0010**Lightning-Link (R) APC-Cy7 Antibody Labeling Kit**

Product Information	
Unit Size	3 x 100ug Reaction
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C.
Conjugate	Allophycocyanin/Cy7
Product Description	
Description	<p>Lightning-Link antibody labeling kits enable the direct labeling of antibodies, proteins, peptides or other biomolecules for use in R&D applications, drug discovery and the development of diagnostic kits (See protocol for further information).</p> <p>The easy-to-use, one step procedure allows researchers to covalently label biomolecules with only 30 seconds hands on time. The researcher simply pipettes the biomolecule into a vial of lyophilized mixture containing the label of interest and incubates.</p> <p>FeaturesQuick and easy to use BenefitsSave 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</p> <p>APC/Cy7 is a tandem conjugate. The APC is excited at 652nm and functions as an energy donor for the Cy7. Energy is transferred from the APC to the Cy7 via FRET (Fluorescence Resonance Energy Transfer). The Cy7 emits the energy received from the APC in the form of long wavelength light at 790nm</p> <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>
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>This product is manufactured by Abcam and distributed by Novus Biologicals.</p> <p>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.</p>
Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry

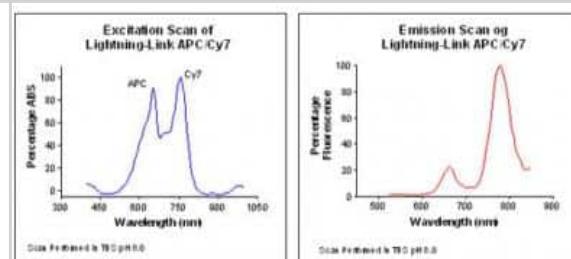


Application Notes

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 as 3 vials.

Images

Flow Cytometry: Lightning-Link APC-Cy7 Antibody Labeling Kit [765-0010]

**Publications**

Calenda G, Villegas G, Reis A et al. Mucosal susceptibility to HIV infection in the proliferative and secretory phases of the menstrual cycle. *AIDS Res. Hum. Retroviruses* 2019-01-02 [PMID: 30600686]

Okagawa T, Konnai S, Nishimori A et al. Bovine immunoinhibitory receptors contribute to the suppression of *Mycobacterium avium* subsp. *paratuberculosis*-specific T-cell responses *Infect Immun*. 2015-10-19 [PMID: 26483406] (FLOW)

Freeman CM, Crudgington S et al. Design of a multi-center immunophenotyping analysis of peripheral blood, sputum and bronchoalveolar lavage fluid in the Subpopulations and Intermediate Outcome Measures in COPD Study (SPIROMICS). *J Transl Med* 2015-01-01 [PMID: 25622723] (FLOW)

Robinson AP, Rodgers JM, Goings GE, Miller SD. Characterization of Oligodendroglial Populations in Mouse Demyelinating Disease Using Flow Cytometry: Clues for MS Pathogenesis. *PLoS One* 2014-01-01 [PMID: 25247590] (FLOW)

Taichman RS, Patel LR, Bedenis R et al. GAS6 Receptor Status Is Associated with Dormancy and Bone Metastatic Tumor Formation. *PLoS One* 2013-01-01 [PMID: 23637920] (FLOW)

Jones CL, Ferreira S, McKenzie RC et al. Regulation of T-Plastin Expression by Promoter Hypomethylation in Primary Cutaneous T-Cell Lymphoma. *J Invest Dermatol* 2013-01-01 [PMID: 22495182] (FLOW)

Robinson AP, Caldis MW, Harp CT et al. High-mobility group box 1 protein (HMGB1) neutralization ameliorates experimental autoimmune encephalomyelitis. *J Autoimmun* 2013-01-01 [PMID: 23514872]

Kim N, Kukkonen S, Gupta S, Aldovini A. Association of Tat with Promoters of PTEN and PP2A Subunits Is Key to Transcriptional Activation of Apoptotic Pathways in HIV-Infected CD4+ T Cells. *PLoS Pathog*. 2010-01-01 [PMID: 20862322] (FLOW)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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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