

# Product Datasheet

## Lightning-Link (R) PerCP Antibody Labeling Kit 718-0005

Unit Size: 100 ug

Store at -20C.

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**718-0005****Lightning-Link (R) PerCP Antibody Labeling Kit**

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<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.
<b>Conjugate</b>	PerCP

<b>Product Description</b>	
<b>Description</b>	<p>Lightning-Link antibody labeling kits enable the direct labeling of antibodies, proteins, peptides or other biomolecules for use in R&amp;D applications, drug discovery and the development of diagnostic kits (See protocol for further information).</p> <p>Our PerCP antibody labeling kit enables the direct conjugation of PerCP to any biomolecule with an available amine group. The researcher simply pipettes the antibody or other biomolecule into the vial of Lightning-Link PerCP and incubates for 3 hours.</p> <p><b>Features</b>Quick and easy to use  <b>Benefits</b>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&amp;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>PerCP is a small 35kDa phycobiliprotein isolated from red algae. It has a strong absorption peak at 484nm and a large stokes shift (194nm) with its maximum emission peak at 678nm. PerCP is commonly used for fluorescent immunolabeling, particularly in applications involving fluorescent-activated cell sorting.</p> <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>
<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>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 <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> with questions.</p>

<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry
<b>Recommended Dilutions</b>	Flow Cytometry

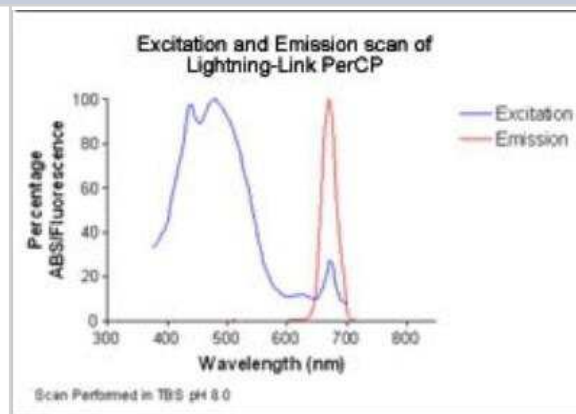


**Application Notes**

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 can be used to label up to 100 ug of antibody, and is supplied in one vial.

**Images**

Flow Cytometry: Lightning-Link PerCP Antibody Labeling Kit [718-0005]

**Publications**

Starkie DO, Compson JE, Rapecki S, Lightwood DJ. Generation of Recombinant Monoclonal Antibodies from Immunised Mice and Rabbits via Flow Cytometry and Sorting of Antigen-Specific IgG+ Memory B Cells PLoS One 2016-03-29 [PMID: 27022949] (FLOW)

Keeley EC, Schutt RC, Marinescu MA et al. Circulating fibrocytes as predictors of adverse events in unstable angina Transl Res. 2016-03-08 [PMID: 27012475] (FLOW)

Rodgers JM, Robinson AP, Rosler ES et al. IL-17A activates ERK1/2 and enhances differentiation of oligodendrocyte progenitor cells. Glia 2014-01-01 [PMID: 25557204]

Ipp H, Nkambule BB, Reid TD et al. CD4+ T cells in HIV infection show increased levels of expression of a receptor for vasoactive intestinal peptide, VPAC2. Immunol Res 2014-01-01 [PMID: 24469917] (FLOW)

Knudsen T, Kjalke M, Tranholm M et al. Development of a flow cytometric assay for detection of coated platelets in dogs and evaluation of binding of coated platelets to recombinant human coagulation factor VIIa American Journal of Veterinary Research 2011-01-01 [PMID: 21801056] (FLOW)

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]



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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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