

Product Datasheet

Lightning-Link (R) Rapid Fluorescein Antibody Labeling Kit 310-0015

Unit Size: 1 mg

Store at -20C.

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310-0015**Lightning-Link (R) Rapid Fluorescein Antibody Labeling Kit**

Product Information	
Unit Size	1 mg
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C.
Conjugate	Fluorescein
Product Description	
Description	<p>Lightning-Link Rapid is an innovative technology that enables direct labeling of 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; furthermore conjugates are ready to use in less than twenty minutes.</p> <p>The researcher simply pipettes the biomolecule into a vial of lyophilized mixture containing the label of interest and incubates (for more details please watch the video below).</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>Learn more about Lightning-Link™ Conjugation Kits by reading FAQs</p> <p>For more information please check out these useful links! Fluorescent Labels Poster Antibody Labeling Guide Antibody Purification Guide</p>
Kit Components	1 or 3 glass vial(s) of Lightning-Link Rapid mix, 1 vial of LL-Rapid Modifier reagent, 1 vial of LL-Rapid Quencher reagent
Notes	<p>Lightning Link® is a registered trademark of Innova Biosciences.</p> <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>

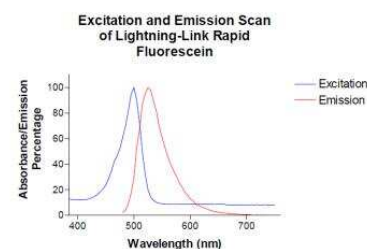
Product Application Details

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 2mg of antibody, and is supplied in one vial.

Images

Lightning-Link Rapid Fluorescein Antibody Labeling Kit [310-0015] - Fluorescein is a fluorophore widely used in biological analysis, with a pH dependent absorption and emission spectrum. In TBS LL Rapid-Fluorescein shows an absorption maximum at 494 nm and an emission maximum at 520 nm



Absorbance Max (nm)	Emission Max (nm)	Extinction Coefficient (cm ² M ⁻¹)	Fluorescent Colour	Stokes Shift
494	520	73000	Green	26

Lightning-Link Rapid Fluorescein Antibody Labeling Kit [310-0015]



Publications

Sladojevic N, Stamatovic SM, Keep RF et al. Inhibition of junctional adhesion molecule-A/LFA interaction attenuates leukocyte trafficking and inflammation in brain ischemia/reperfusion injury. *Neurobiol Dis* 2014-01-01 [PMID: 24657919]

Dragovic RA, Southcombe JH, Tannetta DS et al. Multicolor Flow Cytometry and Nanoparticle Tracking Analysis of Extracellular Vesicles in the Plasma of Normal Pregnant and Pre-eclamptic Women. *Biol Reprod.* 2013-01-01 [PMID: 24227753] (FLOW)

Zubareva A, Ily'ina A, Prokhorov A et al. Characterization of Protein and Peptide Binding to Nanogels Formed by Differently Charged Chitosan Derivatives. *Molecules* 2013-01-01 [PMID: 23823877] (ICC/IF)

Alvarez-Gallardo H, Kjelland ME, Moreno JF et al. Gamete Therapeutics: Recombinant Protein Adsorption by Sperm for Increasing Fertility via Artificial Insemination. *PLoS One* 2013-01-01 [PMID: 23762288] (ICC/IF)

Tsai YM, Hsu SC, Zhang J et al. Functional Interaction of Cockroach Allergens and Mannose Receptor (CD206) in Human Circulating Fibrocytes. *PLoS One* 2013-01-01 [PMID: 23734186] (FLOW)

De Riva A, Varley MC, Bluck LJ et al. Accelerated Turnover of MHC Class II Molecules in Nonobese Diabetic Mice Is Developmentally and Environmentally Regulated In Vivo and Dispensable for Autoimmunity. *J Immunol.* 2013-01-01 [PMID: 23677470]

Zhao W, Wang L, Han H et al. 1B50-1, a mAb Raised against Recurrent Tumor Cells, Targets Liver Tumor-Initiating Cells by Binding to the Calcium Channel alpha 21 Subunit. *Cancer Cell* 2013-01-01 [PMID: 23597567] (FLOW)

Weber M, Lupp C, Stein P et al. Mechanisms of Cyclic Nucleotide Phosphodiesterases in Modulating T Cell Responses in Murine Graft-versus-Host Disease. *PLoS One* 2013-01-01 [PMID: 23483980] (FLOW)

Tannetta DS, Dragovic RA, Gardiner C et al. Characterisation of Syncytiotrophoblast Vesicles in Normal Pregnancy and Pre-Eclampsia: Expression of Flt-1 and Endoglin. *PLoS One* 2013-01-01 [PMID: 23437230] (FLOW)

Curry JM, Thompson KJ, Rao SG et al. The use of a novel MUC1 antibody to identify cancer stem cells and circulating MUC1 in mice and patients with pancreatic cancer. *J Surg Oncol* 2013-01-01 [PMID: 23335066] (IA)

Al-Ghoulleh A, Johal R, Sharquie IK et al. The Glycosylation Pattern of Common Allergens: The Recognition and Uptake of Der p 1 by Epithelial and Dendritic Cells Is Carbohydrate Dependent. *PLoS One* 2012-01-01 [PMID: 22479478] (IA)

Lin YC, Chiang TC, Liu YT et al. ARL4A acts with GCC185 to modulate Golgi complex organization. *J Cell Sci* 2011-01-01 [PMID: 22159419] (ICC/IF)

More publications at <http://www.novusbio.com/310-0015>





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