

Product Datasheet

Lightning-Link (R) R-PE Antibody Labeling Kit 703-0005

Unit Size: 60 ug

Store at -20C.

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703-0005**Lightning-Link (R) R-PE Antibody Labeling Kit**

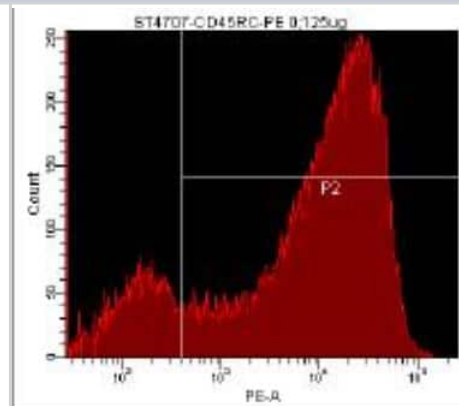
Product Information	
Unit Size	60 ug
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C.
Conjugate	R-Phycoerythrin
Product Description	
Description	<p>Lightning-Link antibody labeling kits enable the direct labeling 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>Our R-PE antibody labeling kit enables the direct conjugation of R-PE to any biomolecule with an available amine group. The researcher simply pipettes the antibody or other biomolecule into the vial of Lightning-Link R-PE and incubates for 3 hours.</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 FlexibleFreeze 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>R-Phycoerythrin (R-PE) is a fluorescent protein from the phycobiliprotein family, present in red algae and cryptophytes. It has three maximal absorbance values of 498, 544 and 566nm (the optimal will depend on the application), and it has a strong emission peak at 580nm. RPE is closely related to B-Phycoerythrin (B-PE) and these are the most intense fluorescent phycobiliproteins providing an orange fluorescence.</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 or 5 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



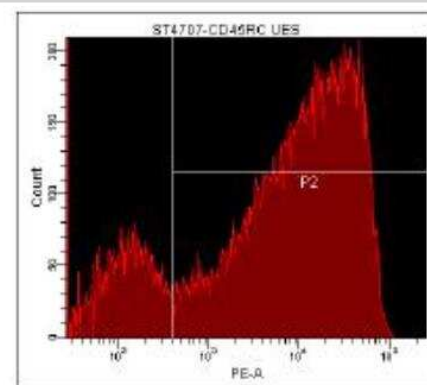
Recommended Dilutions	Flow Cytometry
Application Notes	By circumventing the desalting or dialysis steps that commonly interrupt traditional antibody conjugation procedures, LightningLink technology can be used to label both small (e.g. 10 ug) and large quantities of primary antibodies with ease. Batch-to-batch variation upon scale up is minimal as the process is so simple, and recoveries are always 100%. This kit can be used to label up to 60 ug of antibody, and is supplied in one vial.

Images

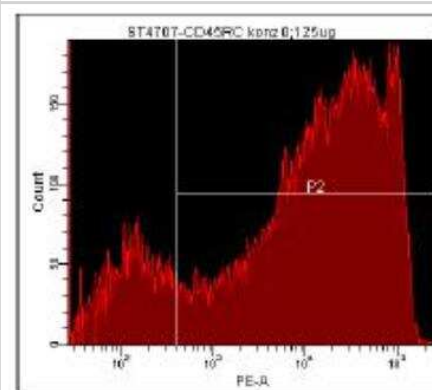
Flow Cytometry: Lightning-Link R-PE Antibody Labeling Kit [703-0005] - Direct labeling with Lightning Link CD45RC-PE



Flow Cytometry: Lightning-Link R-PE Antibody Labeling Kit [703-0005] - Indirect labeling with CD45RC supernatant



Flow Cytometry: Lightning-Link R-PE Antibody Labeling Kit [703-0005] - Indirect labeling with purified CD45RC antibody



Publications

Titus HE, Xu H, Robinson AP et al. Repurposing the cardiac glycoside digoxin to stimulate myelin regeneration in chemically-induced and immune-mediated mouse models of multiple sclerosis *Glia* 2022-07-09 [PMID: 35809238]

Lillo AM, Velappan N, Kelliher JM, Watts AJ Development of Anti-Yersinia pestis Human Antibodies with Features Required for Diagnostic and Therapeutic Applications *ImmunoTargets and Therapy* 2020-01-01 [PMID: 33294421]

Jelsma T, van der Wal FJ, Fijten H et al. Pre-screening of crude peptides in a serological bead-based suspension array. *J Virol Methods*. 2017-01-01 [PMID: 28545817]

Charlarmroj R, Makornwattana M, Himananto O et al. An accurate, specific, sensitive, high-throughput method based on a microsphere immunoassay for multiplex detection of three viruses and bacterial fruit blotch bacterium in cucurbits. *J Virol Methods*. 2017-01-01 [PMID: 28502647]

Tafalla C, Gonzalez L, Castro R, Granja AG. B Cell-Activating Factor Regulates Different Aspects of B Cell Functionality and Is Produced by a Subset of Splenic B Cells in Teleost Fish. *Front Immunol*. 2017-03-15 [PMID: 28360916]

Hadadi E, Zhang B, Baidzajevs K et al. Differential IL-1beta secretion by monocyte subsets is regulated by Hsp27 through modulating mRNA stability. *Sci Rep*. 2016-12-15 [PMID: 27976724]

Charlarmroj R, Makornwattana M, Grant IR et al. Validation of a high-throughput immunobead array technique for multiplex detection of three foodborne pathogens in chicken products. *Int J Food Microbiol*. 2016-05-02 [PMID: 26950032]

Gao Y, Pallister J, Lapierre F et al. A rapid assay for Hendra virus IgG antibody detection and its titre estimation using magnetic nanoparticles and phycoerythrin. *J Virol Methods*. 2015-09-15 [PMID: 26141730]

Frederick JR, Fitzpatrick JR 3rd, McCormick RC et al. Stromal Cell-Derived Factor-1alpha Activation of Tissue-Engineered Endothelial Progenitor Cell Matrix Enhances Ventricular Function After Myocardial Infarction by Inducing Neovasclogenesis. *Circulation*. 2010-09-14 [PMID: 20837901]

Bigler MB, Egli SB, Hysek CM et al. Stress-Induced In Vivo Recruitment of Human Cytotoxic Natural Killer Cells Favors Subsets with Distinct Receptor Profiles and Associates with Increased Epinephrine Levels: e0145635 *PLoS One* 2015-12-23 [PMID: 26700184] (FLOW)

Barnable P, Calenda G, Bonnaire T et al. MIV-150/Zinc Acetate Gel Inhibits Cell-Associated Simian-Human Immunodeficiency Virus Reverse Transcriptase Infection in a Macaque Vaginal Explant Model *Antimicrob Agents Chemother*. 2015-07-01 [PMID: 25870063] (FLOW)

Ding J, Tasker C, Lespinasse P et al. Integrin [alpha]4[beta]7 expression increases HIV susceptibility in activated cervical CD4+ T cells via an HIV attachment-independent mechanism. *J Acquir Immune Defic Syndr*. 2015-08-15 [PMID: 26167616] (FLOW)

More publications at <http://www.novusbio.com/703-0005>





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