Product Datasheet

Lightning-Link (R) Fluorescein Antibody Labeling Kit 707-0010

Unit Size: 3 x 100ug Reaction

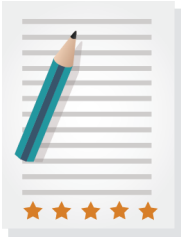
Store at -20C.

www.novusbio.com technical@novusbio.com

Reviews: 1 Publications: 32

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/707-0010

Updated 6/25/2024 v.20.1



707-0010

Lightning-Link (R) Fluorescein 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	FITC

Product Description

Description	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). Our Fluorescein antibody labeling kit enables the direct conjugation of Fluorescein to any biomolecule with an available amine group. The researcher simply pipettes the antibody or other biomolecule into the vial of Lightning-Link Fluorescein and incubates for 3 hours. **FeaturesBenefits**Quick and easy to useSave time, no special knowledge requiredNo separation steps100% recovery - no antibody/protein lossCan be used in a wide range of applicationsFlexibleFreeze driedShips at ambient temperature, long shelf-lifeFully scalable (10 ug to 1 g or more)Easy transfer from R&D to manufacturingStringently QC testedConsistent high quality, excellent batch-to-batch reproducibilityLarge number of labels available Experimental flexibilityReliable: nearly 300 referencesSuccessfully used in many fields of research Fluorescein is one of the most popular fluorescent reagents used in biological research because of its water solubility, intense fluorescence and high absorptivity. It has a peak excitation occurring at 498nm and peak emission of 532nm. Learn more about Lightning-Link™ Conjugation Kits by reading FAQs For more information please check out these useful links! Antibody Labeling Guide Antibody Conjugation Illustrated Assay T
Kit Components	1 or 3 glass vial(s) of Lightning-Link mix, 1 vial of LL-Modifier reagent, 1 vial of LL-Quencher reagent

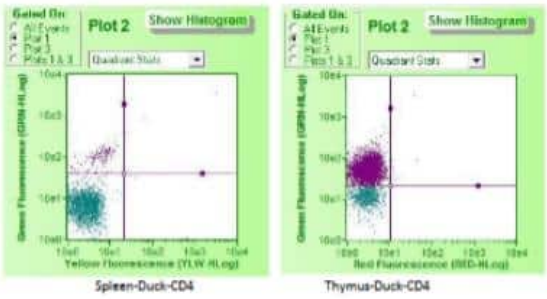
Notes	This product is manufactured by Abcam and distributed by Novus Biologicals. This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt and this statement overrides any mentioned guarantee period on the limitations section of this products datasheet. Please contact technical@novusbio.com with questions. 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.

Product Application Details

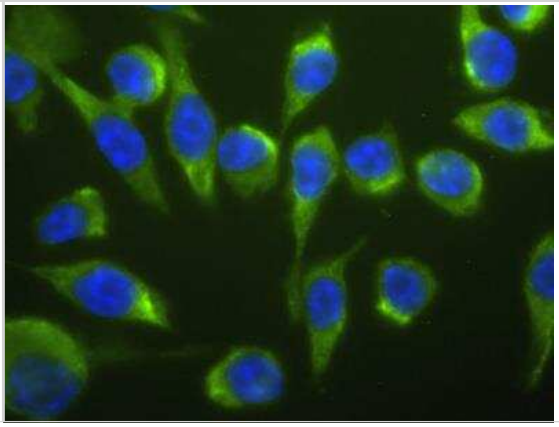
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Application Notes	By circumventing the desalting or dialysis steps that commonly interrupt traditional antibody conjugation procedures, LightningLink technology 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 with 3 vials, each suitable for labeling up to 200 ug of antibody.

Images

Flow Cytometry: Lightning-Link Fluorescein Antibody Labeling Kit [707-0010] - Mouse anti-duck CD4 antibody was conjugated with FITC using a Lightening-Link kit. The conjugated antibody was used to stain duck spleen and thymus followed by analysis with flow cytometry. Image from verified customer review.



Immunofluorescence: Lightning-Link Fluorescein Antibody Labeling Kit [707-0010] - RAW264 macrophage cell line stained with chicken anti-F4/80 antibody conjugated to Fluorescein using Lightning-Link®, counter-stained with DAPI.



Publications

McTernan PM, Levitt DE, Welsh DA et al. Alcohol Impairs Immunometabolism and Promotes Na□ve T Cell Differentiation to Pro-Inflammatory Th1 CD4(+) T Cells Frontiers in Immunology 2022-05-12 [PMID: 35634279] (ICC/IF, FLOW)

Shanmugasundaram R, Wick M, Lilburn MS Effect of a post-hatch lipopolysaccharide challenge in Turkey poults and ducklings after a primary embryonic heat stress Dev. Comp. Immunol. 2019-07-05 [PMID: 31283944] (Avian)

Yang Y, Yeh SH, Madireddi S et al. Tetravalent biepitopic targeting enables intrinsic antibody agonism of tumor necrosis factor receptor superfamily members MAbs 2019-06-20 [PMID: 31156033]

Micheva-Viteva SN, Ross BN, Gao J et al. Increased mortality in mice following immunoprophylaxis therapy with high dosage of nicotinamide in Burkholderia persistent infections. Infect. Immun. 2018-10-15 [PMID: 30323029] (ICC/IF)

Shanmugasundaram R, Wick M, Lilburn M. Effect of embryonic thermal manipulation on heat shock protein 70 expression and immune system development in Pekin duck embryos. Poult Sci. 2018-08-14 [PMID: 30124990] (FLOW)

Do DC, Yang S, Yao X et al. N-glycan in cockroach allergen regulates human basophil function. Immun Inflamm Dis. 2017-01-01 [PMID: 28474843]

Yasmin AR, Yeap SK, Tan SW et al. In vitro characterization of chicken bone marrow-derived dendritic cells following infection with very virulent infectious bursal disease virus. Avian Pathol. 2015-01-01 [PMID: 26305169]

Pieper IL, Radley G, Chan CH et al. Quantification methods for human and large animal leukocytes using DNA dyes by flow cytometry Cytometry A. 2016-06-01 [PMID: 27271958] (FLOW)

Khairalla AS, Omer SA, Mahdavi J et al. Nuclear trafficking, histone cleavage and induction of apoptosis by the meningococcal App and MspA autotransporters. Cell Microbiol 2015-01-01 [PMID: 25600171]

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]

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)

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]

More publications at http://www.novusbio.com/707-0010

Procedures

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/707-0010

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications