Product Datasheet

Lightning-Link (R) Fluorescein Antibody Labeling Kit 707-0030

Unit Size: 3 x 10ug Reaction

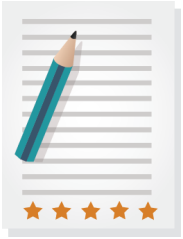
Store at -20C.

www.novusbio.com technical@novusbio.com

Publications: 25

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/707-0030

Updated 6/25/2024 v.20.1



707-0030

Lightning-Link (R) Fluorescein Antibody Labeling Kit

Product Information

Unit Size	3 x 10ug 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

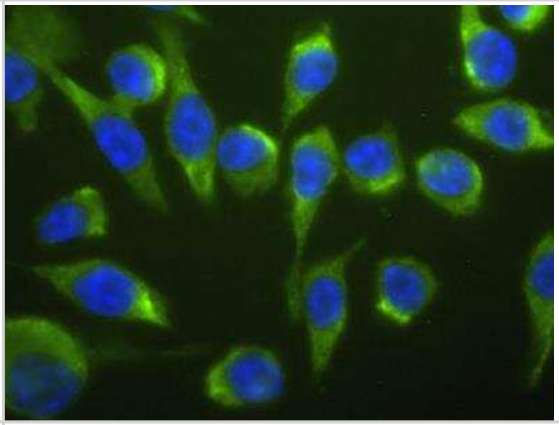
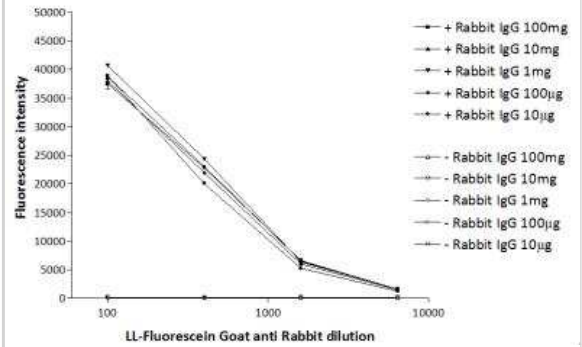
Description	Lightning-Link antibody labeling kits enable the direct labeling of antibodies, proteins, peptides or other biomolecules for use in R&D applications, drug discovery and the development of diagnostic kits (See protocol for further information). Our Fluorescein antibody labeling kit enables 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
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.

Product Application Details

Applications	Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	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 20 ug of antibody.

Images

Immunofluorescence: Lightning-Link Fluorescein Antibody Labeling Kit [707-0030] - RAW264 macrophage cell line stained with chicken anti-F4/80 antibody conjugated to Fluorescein using Lightning-Link, counter-stained with DAPI.	
Lightning-Link Fluorescein Antibody Labeling Kit [707-0030] - Goat anti Rabbit labeled with Lightning-Link Fluorescein at 10 ug, 100 ug, 1mg, 10mg and 100mg single reaction vials tested with Rabbit IgG in a direct ELISA. 1mg/ml conjugates were diluted down 1:100, 1:400, 1:1,600 and 1:6,400 and fluorescence intensity was measured (Ex: 490nm Em: 535nm).	

Publications

Jonathan Baio, Aida F. Martinez, Ivan Silva, Carla V. Hoehn, Stephanie Countryman, Leonard Bailey, Nahidh Hasaniya, Michael J. Pecaut, Mary Kearns-Jonker Cardiovascular progenitor cells cultured aboard the International Space Station exhibit altered developmental and functional properties NPJ Microgravity 2018-07-26 [PMID: 30062101]

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]

Haggerty T, Credle J, Rodriguez O et al. Hyperphosphorylated Tau in an alpha-synuclein-overexpressing transgenic model of Parkinson's disease. Eur J Neurosci 2011-05-01 [PMID: 21453448]

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]

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)

More publications at http://www.novusbio.com/707-0030

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/707-0030

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