

Product Datasheet

Lightning-Link (R) Fluorescein Antibody Labeling Kit 707-0005

Unit Size: 100 ug

Store at -20C.

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707-0005**Lightning-Link (R) Fluorescein Antibody Labeling Kit**

Product Information	
Unit Size	100 ug
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	<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 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.</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>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.</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 glass vial(s) of Lightning-Link® mix, 1 vial of LL-modifier reagent, 1 vial of LL-quencher FD 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, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunofluorescence

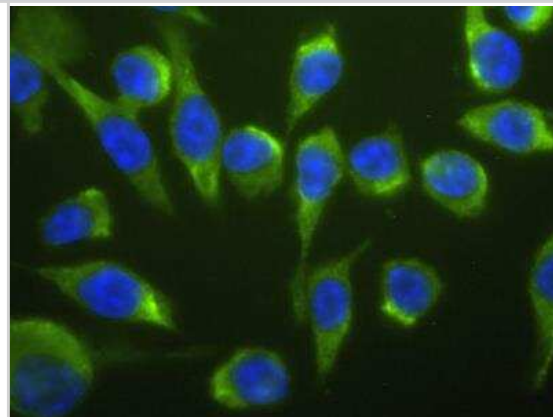


Application Notes

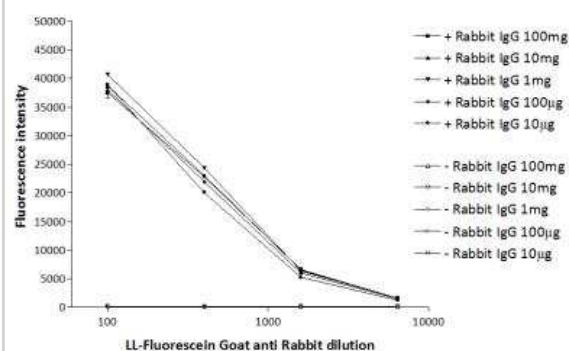
By circumventing the desalting or dialysis steps that commonly interrupt traditional antibody conjugation procedures, LightningLink technology can be used to label both small (e.g. 10 ug) and large quantities of primary antibodies with ease. Batch-to-batch variation upon scale up is minimal as the process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

Images

Immunofluorescence: Lightning-Link® Fluorescein Antibody Labeling Kit - 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 - 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).





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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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