Product Datasheet

Lightning-Link (R) Rapid DyLight 550 Antibody Labeling Kit 323-0015

Unit Size: 1 mg

Store at -20C.

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323-0015

Lightning-Link (R) Rapid DyLight 550 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	DyLight 550
Product Description	
Description	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). 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. 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). FeaturesBenefitsQuick 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 DyLight 550 emits vibrant orange-to-red fluorescence for a wide array of fluorescence labeling-based applications. It has a strong absorption at 556nm, high fluorescence at 584nm (extinction coefficient 1.5 x105 cm-1M-1) and high quantum yield. DyLight dyes are extremely bright and are highly water soluble meaning that a high dye-protein ratio can be achieved without precipitation of the conjugates. Furthermore DyLight dyes retain their fluorescence over a pH range of 4-9. 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 Rapid mix, 1 vial of LL-Rapid Modifier reagent, 1 vial of LL-Rapid Quencher reagent



	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
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%.

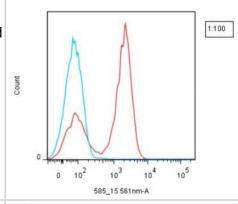
This product is manufactured by Abcam and distributed by Novus Biologicals.

This product is for research use only and is not approved for use in humans or in

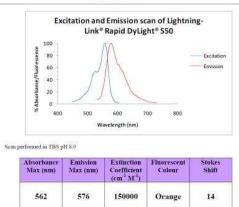
Images

Notes

Flow Cytometry: Lightning-Link Rapid DyLight 550 Antibody Labeling Kit [323-0015] - Mouse anti-human CD3 was conjugated with Dylight® 550 using Lightning-Link ® Rapid kit. The conjugated antibody was then used to stain human peripheral blood lymphocytes, followed by analysis with flow cytometry. (Blue line - negative control; red line - positive staining).



Lightning-Link Rapid DyLight 550 Antibody Labeling Kit [323-0015]



Publications

Mihklepp K, Kivirand K, Nikopensius M et al. Design and Production of Antibodies for the Detection of Streptococcus uberis. Enzyme Microb Technol. 2017-01-01 [PMID: 27871373]





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@biotechne.com

Orders: nb-customerservice@bio-techne.com

General: novus@novusbio.com

Limitations

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