Product Datasheet

Lightning-Link (R) Atto633 Antibody Labeling Kit 744-0010

Unit Size: 3 x 200ug Reaction

Store at -20C. Avoid freeze-thaw cycles.

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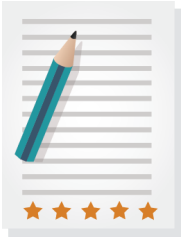
Publications: 7

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/744-0010

Updated 8/16/2018 v.20.1



744-0010

Lightning-Link (R) Atto633 Antibody Labeling Kit

Product Information

Unit Size	3 x 200ug Reaction
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Conjugate	Atto633

Product Description

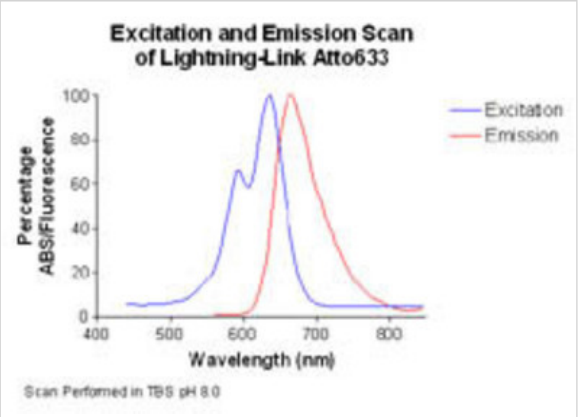
Description	Lightning-Link is an innovative technology that enables direct labeling of proteins, peptides or other biomolecules.The researcher simply pipettes the biomolecule into a vial of lyophilized mixture containing the label of interest and incubates. Despite its apparent simplicity, the Lightning-Link process is sophisticated and generates conjugates with performance characteristics identical to, or better than, those prepared with laborious multistep conjugation procedures. **FeaturesBenefits**30 seconds hands-on timeEasy to use antibody labeling kitNo separation stepsAntibody recovery is 100%No lossesApplicable to Western Blott, ELISA, Immuohistochemistry, Immunofluorescence, and FACS analysisScalable technologyFrom 10 ug up to 5 mg
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	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 This product is manufactured by Expedeon Inc. and distributed by Novus Biologicals.

Product Application Details

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

Excitation and Emission Specra: Lightning Link Conjugation Kit [Atto633] [744-0010] Atto633 is one of a new generation of fluorescent labels. It has a strong absorption at 629nm, high fluorescence at 657nm (extinction coefficient 1.3 x105 cm-1M-1) and high quantum yield.



Publications

Chang YF, Yu JS, Chang YT et al. The utility of a high-throughput scanning biosensor in the detection of the pancreatic cancer marker ULBP2 Biosensors and Bioelectronics 2012 [PMID: 22959016]

Makiya M, Dolan M, Agulto L et al. Structural basis of anthrax edema factor neutralization by a neutralizing antibody Biochemical and Biophysical Research Communications 2011 [PMID: 22155239] (FLOW)

Wauters J, Franck T, Pille F et al. Flow cytometric detection of myeloperoxidase in horse neutrophils: a novel technique in equine diagnostic research Veterinary Immunology and Immunopathology 2011 [PMID: 22018886] (FLOW)

Chang YF, Hung SH, Lee YJ et al. Discrimination of Breast Cancer by Measuring Prostate-Specific Antigen Levels in Women's Serum Annals of Chemistry 2011 [PMID: 21591802] (IA)

Su LC, Chang YF, Chou C et al. Binding Kinetics of Biomolecule Interaction at Ultralow Concentrations Based on Gold Nanoparticle Enhancement Annals of Chemistry 2011 [PMID: 21466206] (IA)

Swain SD, Meissner N, Han S et al. Pneumocystis Infection in an Immunocompetent Host Can Promote Collateral Sensitization to Respiratory Antigens Infection and Immunity 2011 [PMID: 21343358] (FLOW)

Chang YF, Wang SF, Huang JC et al. Detection of swine-origin influenza A (H1N1) viruses using a localized surface plasmon coupled fluorescence fiber-optic biosensor Biosensors and Bioelectronics 2010 [PMID: 20855191] (IA)

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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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