

Product Datasheet

Lightning-Link (R) Rapid Atto390 Antibody Labeling Kit 349-0010

Unit Size: 3 x 100ug Reaction

Store at -20C.

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349-0010**Lightning-Link (R) Rapid Atto390 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	Atto390

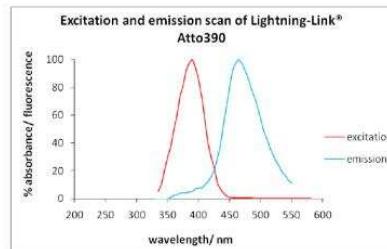
Product Description

Description	<p>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).</p> <p>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.</p> <p>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).</p> <p>Features Quick and easy to use Benefits Save 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>Atto390 is one of a new generation of fluorescent labels with a coumarin structure. It has a strong absorption at 388nm, high fluorescence at 468nm (extinction coefficient 2.4 x10⁴ cm⁻¹M⁻¹) and high quantum yield.</p> <p>Learn more about Lightning-Link™ Conjugation Kits by reading FAQs</p> <p>For more information please check out these useful links!</p> <p>Antibody Labeling Guide Antibody Conjugation Illustrated Assay</p>
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
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

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**Lightning-Link Rapid Atto390 Antibody Labeling Kit [349-0010]**

Scan performed in TBS pH 8.0.

Absorbance Max (nm)	Emission Max (nm)	Extinction Coefficient (cm ⁻¹ M ⁻¹)	Fluorescent Colour	Stokes Shift
390	479	24000	Blue	89

Publications

Henning AL, McFarlin BK. Consumption of a high-fat, high-calorie meal is associated with an increase in intracellular co-localization of PPAR-gamma mRNA and protein in monocytes Methods. 2016-07-12 [PMID: 27418556] (FLOW)

Taichman RS, Patel LR, Bedenis R et al. GAS6 Receptor Status Is Associated with Dormancy and Bone Metastatic Tumor Formation. PLoS One 2013-01-01 [PMID: 23637920] (FLOW)



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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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