

Product Datasheet

Lightning-Link (R) Rapid Texas Red Antibody Labeling Kit 315-0030

Unit Size: 3 x 10ug Reaction

Store at -20C.

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315-0030**Lightning-Link (R) Rapid Texas Red 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	Texas Red
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>TEXAS RED is a red fluorescent dye, used in histology, in fluorescence microscopy applications and in immunohistochemistry. It has a strong absorption at 596nm, with a high fluorescence at 616nm (extinction coefficient 8.0 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! 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	

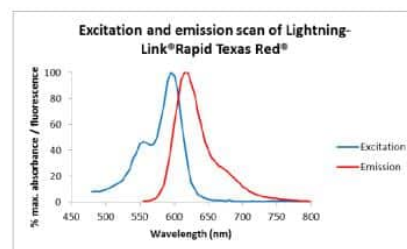


Application Notes

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 Texas Red Antibody Labeling Kit [315-0030] - Texas Red is a red fluorescent dye, used in histology, fluorescence microscopy applications and Immunohistochemistry. It has a strong absorption at 595nm, a high fluorescence at 615nm (extinction coefficient $8.0 \times 10^4 \text{ cm}^{-1} \text{ M}^{-1}$) and high quantum yield.



Scan performed in 1 x TBS pH 8.0

Absorbance Max (nm)	Emission Max (nm)	Extinction Coefficient ($\text{cm}^{-1} \text{ M}^{-1}$)	Fluorescent Colour	Stokes Shift
595	615	80000	Orange-red	20



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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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