

# Product Datasheet

## Lightning-Link (R) PE-Texas Red Antibody Labeling Kit 767-0030

Unit Size: 3 x 10ug Reaction

Store at -20C.

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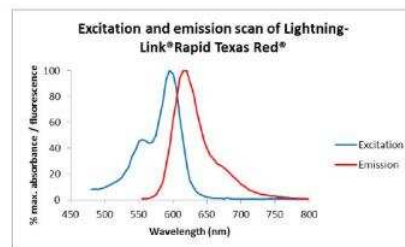
**767-0030****Lightning-Link (R) PE-Texas Red Antibody Labeling Kit**

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 3 x 10ug Reaction   |
| <b>Concentration</b>               | Concentration is not relevant for this product. Please see the protocols for proper use of this product.  |
| <b>Storage</b>                     | Store at -20C.  |
| <b>Conjugate</b>                   | PE/Texas Red  |
| <b>Product Description</b>         |   |
| <b>Description</b>                 | <p>Lightning-Link antibody labeling kits enable the direct labeling of antibodies, proteins, peptides or other biomolecules for use in R&amp;D applications, drug discovery and the development of diagnostic kits (See protocol for further information).</p> <p>Our PE/Texas Red antibody labeling kit enables the direct conjugation of the PE/Texas Red tandem dye to any biomolecule with an available amine group. The researcher simply pipettes the antibody or other biomolecule into the vial of Lightning-Link label and incubates for 3 hours.</p> <p><b>Features</b>Quick and easy to use<br/> <b>Benefits</b>Save time, no special knowledge required<br/>           No separation steps<br/>           100% recovery - no antibody/protein loss<br/>           Can be used in a wide range of applications<br/>           Flexible<br/>           Freeze dried<br/>           Ships at ambient temperature, long shelf-life<br/>           Fully scalable (10 ug to 1 g or more)<br/>           Easy transfer from R&amp;D to manufacturing<br/>           Stringently QC tested<br/>           Consistent high quality, excellent batch-to-batch reproducibility<br/>           Large number of labels available<br/>           Experimental flexibility<br/>           Reliable: nearly 300 references<br/>           Successfully used in many fields of research</p> <p>PE/TEXAS RED is a tandem conjugate. The PE functions as an energy donor for the TEXAS RED has three maximal absorbance values of 498, 544 and 566nm, the optimal depending on the application. Energy is transferred from the PE to the TEXAS RED via energy resonance transfer. The TEXAS RED emits the energy received from the PE in the form of long wavelength light at 618nm.</p> <p>Learn more about Lightning-Link™ Conjugation Kits by reading <a href="#">FAQs</a></p> <p>For more information please check out these useful links!<br/> <a href="#">Antibody Labeling Guide</a><br/> <a href="#">Antibody Conjugation Illustrated Assay</a></p> |
| <b>Kit Components</b>              | 1 or 3 glass vial(s) of Lightning-Link mix, 1 vial of LL-Modifier reagent, 1 vial of LL-Quencher reagent  |
| <b>Notes</b>                       | <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 <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> with questions.</p>   |
| <b>Product Application Details</b> |   |



**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 PE-Texas Red Antibody Labeling Kit [767-0030]**

Scan performed in 1 x TBS pH 8.0

| Absorbance Max (nm) | Emission Max (nm) | Extinction Coefficient (cm <sup>2</sup> M <sup>-1</sup> ) | 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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