Product Datasheet

Lightning-Link (R) R-PE Antibody Labeling Kit
703-0030

Unit Size: 3 x 10ug Reaction
Store at -20°C.

Reviews: 1  Publications: 48

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Lightning-Link (R) R-PE Antibody Labeling Kit

**Product Information**

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>3 x 10ug Reaction</th>
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</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>Concentration is not relevant for this product. Please see the protocols for proper use of this product.</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at -20°C.</td>
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<tr>
<td>Conjugate</td>
<td>R-Phycoerythrin</td>
</tr>
</tbody>
</table>

**Product Description**

**Description**

Lightning-Link antibody labeling kits enable the direct labeling of antibodies, proteins, peptides or other biomolecules for use in R&D applications, drug discovery and the development of diagnostic kits (See protocol for further information).

Our R-PE antibody labeling kit enables the direct conjugation of R-PE to any biomolecule with an available amine group. The researcher simply pipettes the antibody or other biomolecule into the vial of Lightning-Link R-PE and incubates for 3 hours.

**Features Benefits**

Quick and easy to use
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

R-Phycoerythrin (R-PE) is a fluorescent protein from the phycobiliprotein family, present in red algae and cryptophytes. It has three maximal absorbance values of 498, 544 and 566nm (the optimal will depend on the application), and it has a strong emission peak at 580nm. RPE is closely related to B-Phycoerythrin (B-PE) and these are the most intense fluorescent phycobiliproteins providing an orange fluorescence.

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 or 5 glass vial(s) of Lightning-Link mix, 1 vial of LL-Modifier reagent, 1 vial of LL-Quencher reagent
Notes

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 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.

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Product Application Details

<table>
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<th>Applications</th>
<th>Flow Cytometry</th>
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<td>Recommended Dilutions</td>
<td>Flow Cytometry</td>
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<tr>
<td>Application Notes</td>
<td>The recommended conjugation conditions are based on using a 1mg/ml antibody concentration and are designed to give a 1:1 Ab:RPE conjugation molar ratio. Antibodies greater than 1mg/ml should be diluted to 1mg/ml using either milli-Q water or PBS. This kit is supplied with 3 vials, each suitable for labeling up to 10 ug of antibody.</td>
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</table>
Flow Cytometry: Lightning-Link R-PE Antibody Labeling Kit [703-0030] - Direct labeling with Lightning Link CD45RC-PE

Flow Cytometry: Lightning-Link R-PE Antibody Labeling Kit [703-0030] - Indirect labeling with CD45RC supernatant

Flow Cytometry: Lightning-Link R-PE Antibody Labeling Kit [703-0030] - Indirect labeling with purified CD45RC antibody
<table>
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<th>Publications</th>
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<tr>
<td>Nagaraj V, King B, Storm P et al. Complement inhibitor CD55 governs the integrity of membrane rafts in pancreatic beta cells, but plays no role in insulin secretion Biochem Biophys Res Commun. 2015-05-08 [PMID: 25797618] (FLOW)</td>
</tr>
<tr>
<td>Karagiannis P, Villanova F, Josephs DH et al. Elevated IgG4 in patient circulation is associated with the risk of disease progression in melanoma Oncoimmunology 2015-06-03 [PMID: 26451312] (FLOW)</td>
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</table>

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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