Product Datasheet

Lightning-Link (R) APC Antibody Labeling Kit

705-0030

Unit Size: 3 Reactions (up to 10 ug)

Store at -20C.

Reviews: 1  Publications: 41

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:

www.novusbio.com/705-0030

Updated 8/21/2018 v.20.1

Earn rewards for product reviews and publications.
Submit a publication at www.novusbio.com/publications
Submit a review at www.novusbio.com/reviews/destination/705-0030
**Product Information**

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>3 Reactions (up to 10 µg)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>Concentration is not relevant for this product. Please see the protocols for proper use of this product.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at -20°C.</td>
</tr>
<tr>
<td><strong>Conjugate</strong></td>
<td>Allophycocyanin</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 APC antibody labeling kit enables the direct conjugation of APC to any biomolecule with an available amine group. The researcher simply pipettes the antibody or other biomolecule into the vial of Lightning-Link APC 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 µg 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

Allophycocyanin is a large 105kDa fluorescent phycobiliprotein. It absorbs at 652 nm and emits at 666 nm.

**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**

**Applications**

Flow Cytometry

**Recommended Dilutions**

Flow Cytometry

**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 µg) 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 10 µg of antibody.
Flow Cytometry: Lightning-Link APC Antibody Labeling Kit [705-0030] - Mouse anti-human CD8 was conjugated with APC using an Innova Biosciences Lightning-Link® kit. The conjugated antibody was then used to stain human peripheral blood lymphocytes, followed by analysis with flow cytometry. (Blue line - negative control; red line - positive staining).

Flow Cytometry: Lightning-Link APC Antibody Labeling Kit [705-0030] - Cellular binding of Pneumolysin derivatives were labelled with LightningLink APC kit. APC-labelled Pneumolysin could be detected binding to erythrocytes as evidence by the >1 log shift in the flow cytometry histogram. Image from verified customer review.

Lightning-Link APC Antibody Labeling Kit [705-0030]
<table>
<thead>
<tr>
<th>Publications</th>
</tr>
</thead>
</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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/705-0030

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications