Product Datasheet

Lightning-Link (R) APC Antibody Labeling Kit
705-0015

Unit Size: 1 Reaction (up to 1 mg)

Store at -20C.

www.novusbio.com

publications: 43

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Updated 4/11/2020 v.20.1

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### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>1 Reaction (up to 1 mg)</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>
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<tr>
<td><strong>Storage</strong></td>
<td>Store at -20C.</td>
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<tr>
<td><strong>Conjugate</strong></td>
<td>Allophycocyanin</td>
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### 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 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

**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 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%. This kit can be used to label up to 1.5 mg of antibody, and is supplied in one vial.
Flow Cytometry: Lightning-Link APC Antibody Labeling Kit [705-0015] - 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).
<table>
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<th>Publications</th>
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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.

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

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