

Product Datasheet

Lightning-Link (R) Rapid Cy5 Antibody Labeling Kit 342-0030

Unit Size: 3 x 10ug Reaction

Store at -20C.

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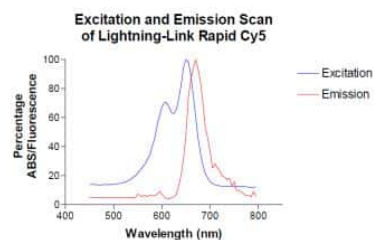
342-0030**Lightning-Link (R) Rapid Cy5 Antibody Labeling Kit**

| 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 | Cy5 |
| 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>FeaturesBenefits 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</p> <p>Cyanine Dye 5 (Cy5) has a strong absorption peak at 652nm. The maximum emission peak is at 678nm, with an excitation coefficient of $2.5 \times 10^5 \text{ cm}^{-1}\text{M}^{-1}$. Cy5 can be used as an alternative to AlexaFluor 647, and the phycobiliprotein Allophycocyanin.</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> |



Images

Lightning-Link Rapid Cy5 Antibody Labeling Kit [342-0030]



| Absorbance Max (nm) | Emission Max (nm) | Extinction Coefficient (cm ² M ⁻¹) | Fluorescent Colour | Stokes Shift |
|---------------------|-------------------|---|--------------------|--------------|
| 643 | 667 | 250000 | Red | 24 |

Publications

Katoh H, Komura D, Konishi H, et al. Immunogenetic Profiling for Gastric Cancers Identifies Sulfated Glycosaminoglycans as Major and Functional B Cell Antigens in Human Malignancies. *Cell Rep.* 2017-08-01 [PMID: 28768193]

Khairalla AS, Omer SA, Mahdavi J et al. Nuclear trafficking, histone cleavage and induction of apoptosis by the meningococcal App and MspA autotransporters. *Cell Microbiol* 2015-01-01 [PMID: 25600171]

Nikitina IG, Sabirova Elu, Solopova ON et al. A new immuno-PCR format for serological diagnosis of colon cancer. *Mol Biol (Mosk)* 2014-01-01 [PMID: 25842832] (IA)

Yuan S, Li Q, Zhang Y et al. Changes in Anti-thyroglobulin IgG Glycosylation Patterns in Hashimoto's Thyroiditis Patients. *J Clin Endocrinol Metab* 2014-01-01 [PMID: 25380293]

Schirwitz C, Loeffler FF, Felgenhauer T et al. Purification of High-Complexity Peptide Microarrays by Spatially Resolved Array Transfer to Gold-Coated Membranes. *Adv Mater.* 2013-01-01 [PMID: 23315653]

Buerger C, Richter B, Woth K et al. Interleukin-1 beta Interferes with Epidermal Homeostasis through Induction of Insulin Resistance: Implications for Psoriasis Pathogenesis. *J Invest Dermatol* 2012-01-01 [PMID: 22513786]

Stafford P, Halperin R, Legutki JB et al. Physical Characterization of the 'Immunosignaturing Effect. *Mol Cell Proteomics* 2012-01-01 [PMID: 22261726] (MiAr)



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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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