

# DiagNano™ Covalent Quantum Dots Antibody Labeling Kit, 625 nm

Cat.No: DNK-L005

## DESCRIPTION

|                    |                                                                                                                                                                                                                                                                                                                          |
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| <b>Description</b> | Covalent Quantum Dots Antibody Labeling Kit, excitation at 405/488 nm, emission at 625 nm. Highly efficient and site-specific labeling attaches quantum dots to the heavy chains of an IgG antibody, which ensures the antigen binding domains intact for binding to antigen target. 1 kit for labeling 100 µg antibody. |
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## APPLICATION

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| <b>Application Notes</b> | Antibody labeling, antibody conjugation, confocal or traditional fluoresce microscopy |
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## KIT COMPONENTS

| Kit Components                                   | Quantity | Storage                                   |
|--------------------------------------------------|----------|-------------------------------------------|
| Antibody preparation buffer (Component A)        | 1.8 mL   | 2-8°C. DO NOT FREEZE. Protect from light. |
| Antibody concentrator (small) (Component B)      | each     | 2-8°C. DO NOT FREEZE. Protect from light. |
| Collection tube (Component C)                    | each     | 2-8°C. DO NOT FREEZE. Protect from light. |
| β-Galactosidase (Component D)                    | 12 µL    | 2-8°C. DO NOT FREEZE. Protect from light. |
| UDP-GalNAz (Component E)                         | 220 µg   | 2-8°C. DO NOT FREEZE. Protect from light. |
| 20X Tris pH 7.0 (Component F)                    | 1.8 mL   | 2-8°C. DO NOT FREEZE. Protect from light. |
| Buffer additive (Component G)                    | 30 µL    | 2-8°C. DO NOT FREEZE. Protect from light. |
| β-1,4-galactosyltransferase (GalT) (Component H) | 88 µL    | 2-8°C. DO NOT FREEZE. Protect from light. |



## Kit Components

## Quantity Storage

|                                             |       |                                           |
|---------------------------------------------|-------|-------------------------------------------|
| Antibody concentrator (large) (Component I) | each  | 2-8°C. DO NOT FREEZE. Protect from light. |
| DIBO-modified label                         | 55 µL | 2-8°C. DO NOT FREEZE. Protect from light. |

## PRODUCT INFORMATION

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| <b>Absorption Max</b> | 405/488 nm |
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| <b>Emission Max</b> | 625 nm |
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| <b>Quantum Yield</b> | N/A |
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## STORAGE AND SHIPPING

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| <b>Shipping Condition</b> | Shipped at ambient temperature. |
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