

For Research Use Only

ChemBright CoraLite® Plus 405

Antibody Conjugation Kit

Catalog Number: PK30035



www.ptglab.com

Product Information

Fluorescently-labeled antibodies can be used for a variety of immunoassays such as immunohistochemistry, immunocytochemistry, flow cytometry, and fluorescent Western blot.

This antibody conjugation kit is designed to covalently conjugate CoraLite® Plus 405 to antibodies in 1-2 hours. Conjugated antibodies can be used immediately or stored at 4°C for up to 12 months. This kit is suitable for three reactions of labeling 100 µg primary antibody.

Antibody requirements: This kit is compatible with IgGs at 1 mg/mL in carrier-free buffer (PBS) with <0.1% BSA. Antibody buffer must be azide and glycerol-free.

Components

| Component | Catalog No. | Size |
|--|-------------|----------|
| Vial A: Antibody Modifier Reagent | PK3003X-A | 3*100 µg |
| Vial B: Lyophilized CoraLite® Plus 405 | PK30035-B | 3*100 µg |
| Storage Vial C | PK3003X-C | 3*100 µg |
| Quenching Reagent | PK3003X-Q | 200 µL |

Package

3 x 100 µg

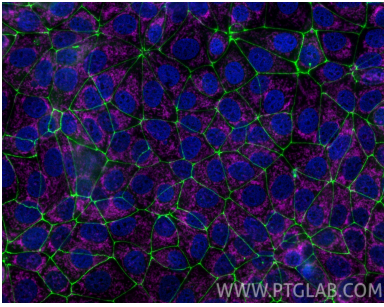
Storage

Store at room temperature (20-25°C) in the dark.

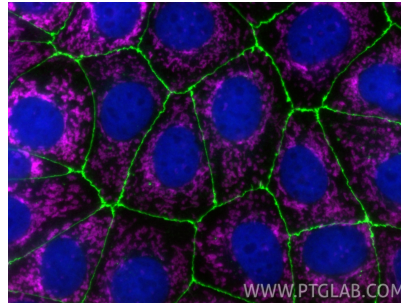
Additional Information

1. Titrations of the conjugated antibody are recommended to find the optimal antibody dilution for your application.
2. Store conjugated antibody in Vial C sealed at 4°C. Blank labels are provided to label Vial C.
3. It is recommended to add a preservative such as sodium azide to the conjugated antibody for long-term storage.
4. The estimated final concentration of the conjugated antibody is 0.83 mg/mL.

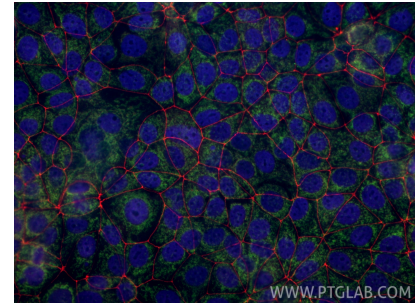
Validation Data



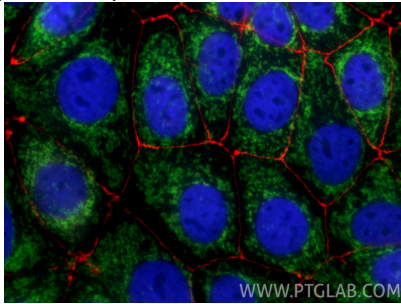
Immunofluorescence of MCF-7 cells: PFA-fixed cells were stained with anti-ZO-1 (21773-1-AP) with ChemBright CoraLite® Plus 488 Antibody Conjugation Kit (PK30030 green), anti-TOM 20 (80501-1-RR) with ChemBright CoraLite® Plus 647 Antibody Conjugation Kit (PK30031 magenta), anti-Histone H3 (68345-1-Ig) with ChemBright... CoraLite® Plus 405 Antibody Conjugation Kit (PK30035 blue).



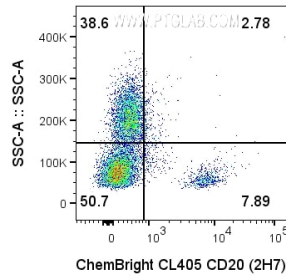
Immunofluorescence of MCF-7 cells: PFA-fixed cells were stained with anti-ZO-1 (21773-1-AP) with ChemBright CoraLite® Plus 488 Antibody Conjugation Kit (PK30030 green), anti-TOM 20 (80501-1-RR) with ChemBright CoraLite® Plus 647 Antibody Conjugation Kit (PK30031 magenta), anti-Histone H3 (68345-1-Ig) with ChemBright... CoraLite® Plus 405 Antibody Conjugation Kit (PK30035 blue).



Immunofluorescence of MCF-7 cells: PFA-fixed cells were stained with anti-TOM20 (11802-1-AP) with ChemBright FITC Plus Antibody Conjugation Kit (PK30032 green), anti-ZO-1 (21773-1-AP) with ChemBright Biotin (PK30033) and Steptavidin-594 (red), anti-Histone H3 (68345-1-Ig) with ChemBright CoraLite® Plus 405 Antibody Conjugation Kit... (PK30035 blue).



Immunofluorescence of MCF-7 cells: PFA-fixed cells were stained with anti-TOM20 (11802-1-AP) with ChemBright FITC Plus Antibody Conjugation Kit (PK30032 green), anti-ZO-1 (21773-1-AP) with ChemBright Biotin (PK30033) and Steptavidin-594 (red), anti-Histone H3 (68345-1-Ig) with ChemBright CoraLite® Plus 405 Antibody Conjugation Kit... (PK30035 blue).



1x10⁶ Human PBMCs were surface stained with 0.5 ug Anti-Human CD20 (65085-1-Ig, clone: 2H7) labeled with ChemBright CoraLite® Plus 405 Antibody Conjugation Kit (PK30035). Cells were not fixed. Cells were treated with Fc Receptor Block prior to staining. Live (PI-) lymphocytes and monocytes were gated.

For technical support and original validation data for this product please contact

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