

For Research Use Only

ChemBright Biotin Antibody

Conjugation Kit

Catalog Number: PK30033



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 Biotin 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 Biotin	PK30033-B	3*100 µg
Storage Vial C	PK3003X-C	3*100 µg
Quenching Reagent	PK3003X-Q	200 µL

Package

3 x 100 µg

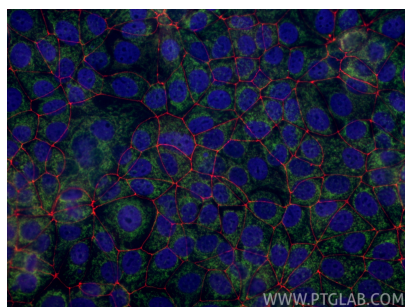
Storage

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

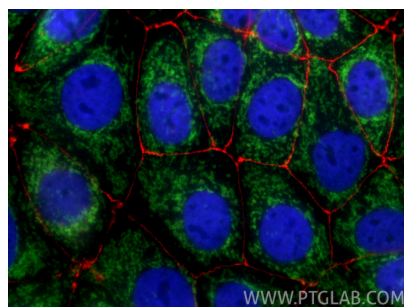
Additional Information

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.

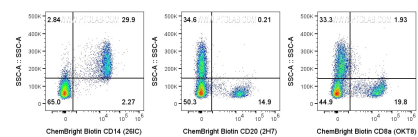
Validation Data



Immunofluorescence of MCF-7 cells: PFA-fixed cells were stained with anti-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 of various Anti-Human antibodies labeled with ChemBright Biotin Antibody Conjugation Kit (PK30033), then washed and stained with Streptavidin-PE (PE-PF00030). Cells were not fixed. Cells were treated with Fc Receptor Block prior to staining. Lymphocytes and monocytes were gated....
Left: Anti-Human CD14 (65246-1-Ig, clone: 26IC).
Center: Anti-Human CD20 (65085-1-Ig, clone: 2H7).
Right: Anti-Human CD8a (65135-1-Ig, clone: OKT8).

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

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