

For Research Use Only

ChemBright CoraLite® Plus 594 Antibody Conjugation Kit

Catalog Number: PK30036



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 594 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 594	PK30036-B	3*100 µg
Storage Vial C	PK3003X-C	3*100 µg
Quenching Reagent	PK3003X-Q	200 µL

Package

3 x 100 µg

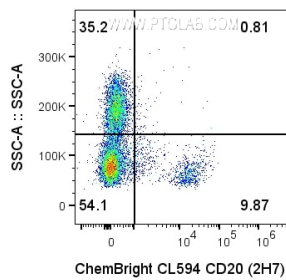
Storage

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

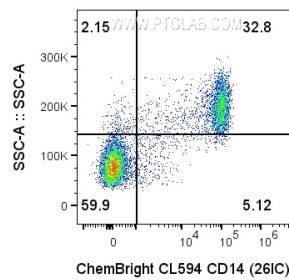
Additional Information

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



1x10⁶ Human PBMCs were surface stained with 0.2 ug Anti-Human CD20 (65085-1-Ig, clone: 2H7) labeled with ChemBright CL594 Antibody Conjugation Kit (PK30036). Cells were not fixed. Cells were treated with Fc Receptor Block (PF00029) prior to staining. Lymphocytes and monocytes were gated.



1x10⁶ Human PBMCs were surface stained with 0.2 ug Anti-Human CD14 (65246-1-Ig, clone: 26IC) labeled with ChemBright CL594 Antibody Conjugation Kit (PK30036). Cells were not fixed. Cells were treated with Fc Receptor Block (PF00029) prior to staining. Lymphocytes and monocytes were gated.

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

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