

For Research Use Only

ChemBright FITC Plus Antibody Conjugation Kit

Catalog Number: PK30032



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 FITC Plus 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 FITC Plus	PK30032-B	3*100 µg
Storage Vial C	PK3003X-C	3*100 µg
Quenching Reagent	PK3003X-Q	200 µL

Package

3 x 100 µg

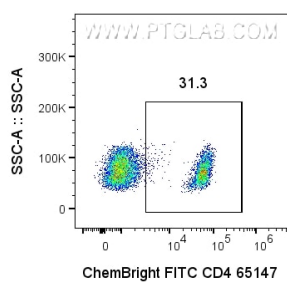
Storage

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

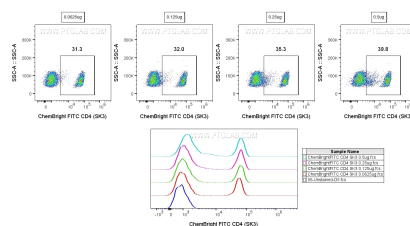
Additional Information

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 0.0625 ug Anti-Human CD4 (65147-1-Ig, clone: SK3) labeled with ChemBright FITC Plus Antibody Conjugation Kit (PK30032). Cells were not fixed. Cells were treated with Fc Receptor Block prior to staining. Live (PI-) lymphocytes were gated.



1x10⁶ Human PBMCs were surface stained with 0.0625-0.5 ug Anti-Human CD4 (65147-1-Ig, clone: SK3) labeled with ChemBright FITC Plus Antibody Conjugation Kit (PK30032). Cells were not fixed. Cells were treated with Fc Receptor Block prior to staining. Live (PI-) lymphocytes were gated.

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

T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or
1(312) 455-8498(outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.