

pH Sensitive Anti-G4S Linker Labeling Reagent

Catalog # G4S-PZF25C1



BIOSYSTEMS
Acro

Application

In in vivo CAR research, the endocytic capacity of tLNP is a key factor for evaluation of the delivery efficiency. Our pH Sensitive Anti-G4S Linker Labeling Reagent (Cat. G4S-PZF25C1) specifically binds to the scFv format antibody (containing G4S linker), and the pH-sensitive dye can significantly enhance the fluorescence signal in an acidic environment. This enables flow cytometry to assess the endocytic efficiency of LNPs conjugated with the scFv-format antibody (containing G4S linker).

Features

- High signal-to-noise ratio – Strong fluorescence signal with minimal background
- Application validated – FACS-ready for tLNP uptake studies
- Universal – Target independent

Detection Wavelength

Excitation Wavelength: 643 nm

Emission Wavelength: 660 nm

Storage

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- This product is stable after storage at:
- -70°C for 12 months from date of receipt.

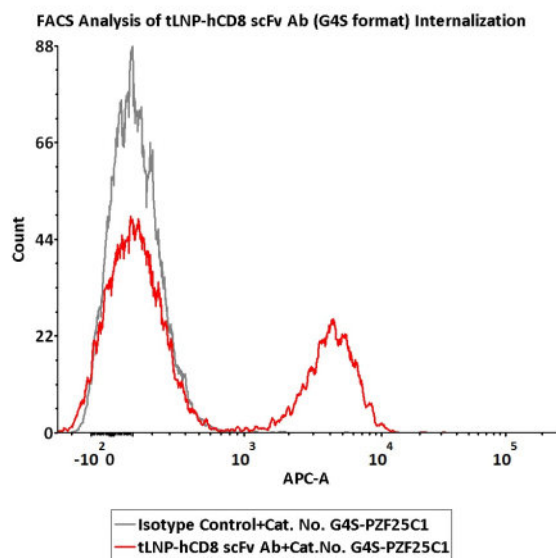
Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-Flow Cytometry



tLNP-hCD8 scFv Ab (contain a G4S linker) or Isotype Control LNP were labeled with pH Sensitive Anti-G4S Linker Labeling Reagent (Cat. No. G4S-PZF25C1). CD3+ T cells were separately treated with pH Sensitive Dye Labeled tLNP-hCD8 scFv Ab (G4S containing) or isotype control conjugates for 4 hours. APC signal was measured by flow cytometry to evaluate the tLNP internalization (Routinely tested).

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