

pH Sensitive Anti-Camelid VHH (M1A11) Labeling Reagent

Catalog # CAH-PZF2491a



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-Camelid VHH Labeling Reagent (Cat. CAH-PZF2491a) specifically binds to the VHH format antibody, and the pH-sensitive dye can significantly enhance the fluorescence signal in an acidic environment. This enables flow cytometry analysis to evaluate the endocytic efficiency of VHH-format antibody-conjugated LNPs.

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:

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- -70°C for 12 months from date of receipt.

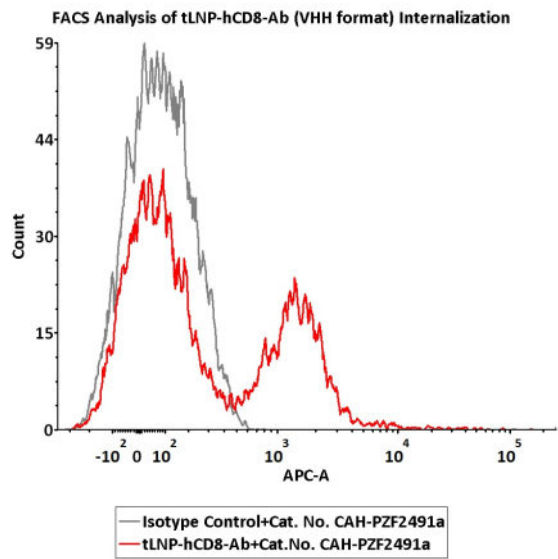
Shipping

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-Ab (VHH format) or Isotype Control LNP were labeled with pH Sensitive Anti-Camelid VHH (M1A11) Labeling Reagent (Cat. No. CAH-PZF2491a). CD3+ T cells were separately treated with pH Sensitive Dye-Labeled tLNP-hCD8 Ab (VHH format) 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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