

Technical Data Sheet

NHP Compensation Set

Product Information

Material Number: 558640
Size: 20 tests
Component: 51-9004313
Description: PE Mouse anti-Human CD4
Size: 20 tests (1 ea)
Vol. per Test: 20 µl
Clone Name: L200
Isotype: Mouse IgG1, κ
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Component: 51-9004315
Description: FITC Mouse anti-Human CD3
Size: 20 tests (1 ea)
Vol. per Test: 20 µl
Clone Name: SP34-2
Isotype: Mouse IgG1, λ
Storage Buffer: Aqueous buffered solution containing BSA, protein stabilizer, and ≤0.09% sodium azide.

Component: 51-9004954
Description: APC Mouse anti-Human CD8
Size: 20 tests (1 ea)
Vol. per Test: 20 µl
Clone Name: SK1
Isotype: Mouse IgG1, κ
Storage Buffer: Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

The Non-Human Primate (NHP) compensation set is intended to be used with the NHP T lymphocyte Cocktail (Cat. no. 558625) or the NHP T/B/NK Cell Cocktail (Cat. no. 558639) for instrument compensation. Compensation is the process by which the effect of spectral overlap among fluoro-chromes can be corrected minimizing fluorescence signal spillover in neighboring channels. Traditionally, compensation values are entered into software programs allowing for the adjustment among the overlapping fluoro-chrome emissions. These values can be achieved using single color controls, and verified using fluorescence-minus-one controls, or ad-mixtures of single color controls. The non-human primate (NHP) compensation set is made up of FITC Mouse anti-Human CD3 (clone SP34-2), APC Mouse anti-Human CD8 (clone SK1) and PE Mouse anti-Human CD4 (clone L200). Use this set to properly adjust your FITC/PE/APC compensation matrix for the NHP T Lymphocyte or NHP T/B/NK cell cocktails.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
558639	NHP T/B/NK Cell Cocktail	50 tests	(none)
558625	NHP T Lymphocyte Cocktail	50 tests	(none)

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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100- μ l experimental sample (a test).
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Shapiro, HM. *Practical Flow Cytometry*. New York: Wiley-Liss, Inc; 1995:18-19. (Methodology)