

Product Data Sheet

Product Name: APC-AF700

Cat. No.: GC80396

Chemical Properties

Cas. No.

Formula

M.Wt

Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

APC-AF700

Background

APC-AF700 is a tandem fluorochrome conjugate for flow cytometry. APC-AF700 can be incorporated into 10-color and 12-color flow cytometry antibody panels (Ex/Em = 633/715 nm) [1].

Caution: Product has not been fully validated for medical applications. For research use only.

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In Vitro, APC-AF700 conjugated to CD81 (clone M38) yields a stain index of 39.7 in bone marrow B-cell precursors, with measurable spillover into multiple flow cytometry channels that remains manageable with appropriate panel design^[1]. APC-AF700 is a suitable RL2 detector fluorochrome for 10- and 12-color flow cytometry panels, with strong performance for dim markers and acceptable spillover into other channels when incorporated into optimized antibody panels^[1].

References:

[1]. Flores-Montero J, et al. Fluorochrome choices for multi-color flow cytometry. J Immunol Methods. 2019;475:112618.

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