

Product Data Sheet

Product Name: PE-AF700

Cat. No.: GC80384

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

PE-AF700

Background

PE-AF700 is a tandem fluorescent dye used for flow cytometry, consisting of the donor phycoerythrin (PE) and the acceptor Alexa Fluor 700 (AF700) (Ex/Em = 488 nm/715 nm) ^[1].

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

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In Vitro, PE-AF700 (2.5 µl per test; 20 min at 37°C), a reagent conjugated with anti-CD25 antibody, exhibits better staining efficacy for erythrocyte-lysed whole blood leukocytes when incubated at 37°C for 20 min^[1].

References:

[1]. Jensen HA, et al. iCoreDrop: A robust immune monitoring spectral cytometry assay with six open channels for biomarker flexibility. Cytometry A. 2023;103(5):405-418.

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