

CD34+ Cell Detection Kit

For detection of CD34+ cells

Catalog #01712 For labeling 3 x 10⁷ cells



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Product Description

The CD34+ Cell Detection Kit is used for the identification of human CD34+ cells in cord blood, bone marrow, and peripheral blood. It contains pre-selected fluorochrome-conjugated monoclonal antibodies that have been optimized to detect cells that express CD34 by flow cytometry.

This kit is a component of the ALDHbr Assay Kit (Catalog #01711) and is not available for individual sale.

Component Information

The following components are included in the CD34+ Cell Detection Kit (Component #01712) and are not available for individual sale.

COMPONENT NAME	COMPONENT #	QUANTITY	STORAGE	SHELF LIFE	FORMAT
7-AAD Viability Dye	01713	250 µL	Store at 2 - 8°C. Do not freeze. Protect product from prolonged exposure to light.	Stable until expiry date (EXP) on label.	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Anti-Human CD45 Antibody, Clone HI30, PE	01714	350 µL	Store at 2 - 8°C. Do not freeze. Protect product from prolonged exposure to light.	Stable until expiry date (EXP) on label.	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA.
Anti-Human CD34 Antibody, Clone 581, APC	01715	350 µL	Store at 2 - 8°C. Do not freeze. Protect product from prolonged exposure to light.	Stable until expiry date (EXP) on label.	PBS containing 0.09% sodium azide and 0.2% (w/v) BSA.
Anti-Human CD235ab (Glycophorin A/B) Antibody, Clone HIR2, PE-Cyanine5	01716	350 µL	Store at 2 - 8°C. Do not freeze. Protect product from prolonged exposure to light.	Stable until expiry date (EXP) on label.	PBS containing 0.09% sodium azide and 0.2% (w/v) BSA.

BSA - bovine serum albumin; PBS - phosphate-buffered saline

Components may be shipped at room temperature (15 - 25°C) but should be stored as indicated above.

Materials Required But Not Included

A flow cytometer equipped with a 488 nm laser and a 635 nm laser for excitation and appropriate filters for detecting 7-AAD, PE-Cyanine5, APC, and PE fluorescence is required.

Handling / Directions For Use

For complete instructions, refer to the Product Information Sheet for the ALDHbr Assay Kit (Document #DX20340) available at www.stemcell.com or contact us to request a copy.

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