

# CD34+ Cell Detection Kit

For detection of CD34+ cells

Catalog #01712 For labeling 3 x 10<sup>7</sup> cells



Scientists Helping Scientists™ | [WWW.STEMCELL.COM](http://www.stemcell.com)

TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

[INFO@STEMCELL.COM](mailto:INFO@STEMCELL.COM) • [TECHSUPPORT@STEMCELL.COM](mailto:TECHSUPPORT@STEMCELL.COM)

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

## 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 available at [www.stemcell.com](http://www.stemcell.com) or contact us to request a copy.

STEMCELL TECHNOLOGIES INC.'S QUALITY MANAGEMENT SYSTEM IS CERTIFIED TO ISO 13485. PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

Copyright © 2019 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, and Scientists Helping Scientists are trademarks of STEMCELL Technologies Canada Inc. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.