

14-3003: Human Bone Marrow CD34+ Stem/Progenitor Cells(Discontinued)

Reactivity : Human

Description

Cell Source: Bone Marrow

Cell Type: Stem/Progenitor Cells

Donor Attributes: HIV-, HepB-, HepC-

CD34 is a glycosylated transmembrane protein and represents a well-established marker for human hematopoietic stem and progenitor cells in peripheral blood, bone marrow, cord blood and fetal liver. CD34+ cells are self-renewing, multipotent stem cells that give rise to all blood cells of the immune system through a process called hematopoiesis. As hematopoietic stem cells progress through hematopoiesis they generate the myeloid (monocytes, macrophages, granulocytes, megakaryocytes, dendritic cells, and erythrocytes), and lymphoid (T cells, B cells, and NK cells) lineages. The highly specialized cells that arise from hematopoietic stem cells work collaboratively in defending the body against infection and disease.

Human bone marrow CD34+ stem and progenitor cells are positively selected using immunomagnetic anti-CD34 (clone QBEND10) microbeads from bone marrow mononuclear cells. Isolated primary cells are characterized by flow cytometry to ensure a highly pure and viable cell population.

Cells were obtained using Institutional Review Board (IRB) approved consent forms and protocols.

Product Info

Amount :	1 Vial
Purification :	≥90% by Flow Cytometry
Content :	Each cryopreserved vial contains 0.5 million cells. Preserved in CryoStor [®] , ₂ CS10 (10% DMSO)
Storage condition :	Immediately upon receipt, store in liquid nitrogen.

Application Note

For cryopreserved samples, the freeze-thaw cycle may decrease cell viability by 10-15% post-thaw.

LIMITED USE RESTRICTIONS:

THIS PRODUCT IS SOLELY FOR IN VITRO RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

By use of this product, user agrees to be bound by the terms of this limited use statement.

This product is solely for Internal Research Purposes and not for Commercial Purposes. Commercial Purposes include, but are not limited to (1) use of the cell line in manufacturing; (2) use of the cell line to provide a service, information or data; (3) use of the cell line for therapeutic, diagnostic or prophylactic purposes; or (4) resale of the cell line whether or not such cell lines are resold for use in research.

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