

14-2012: Human Cord Blood CD133 Depleted Mononuclear Cells(Discontinued)

Reactivity : Human

Description

Cell Source: Umbilical Cord Blood

Cell Types: Mononuclear Cells, Lymphocytes, Monocytes, Dendritic Cells

Donor Attributes: Maternal Blood HIV-, HepB-, HepC-

Single or Mixed Donor: Single and Mixed

Mononuclear cells (MNCs) are separated from umbilical cord blood by means of a density gradient centrifugation protocol. The mononuclear cells are composed of lymphocytes (T cells, B cells, and NK cells), monocytes, dendritic cells, and stem/progenitor cells. These cells are critical components of the immune system and play key roles in the humoral and cell-mediated immune responses. Mononuclear cells are commonly used in research and clinical applications in the areas of immunology, infectious disease, hematological malignancies, vaccine development, transplant therapy, and high-throughput screening.

We offers highly pure and viable CD133 depleted mononuclear cells from cord blood in an assortment of pre-selected volumes and formats (cryopreserved or fresh). CD133 depleted mononuclear cells are isolated from cord blood by removing the CD133+ population by immunomagnetic separation. The CD133 depleted mononuclear cells contain less than 0.1% CD133+ cells. The presence of CD133+ cells is assessed by flow cytometry. The isolated MNCs can be used to isolate subpopulations, to study monocyte behavior and interactions, or in a variety of other applications.

We offers single and mixed donor CD133 depleted mononuclear cells. Mixed donor pools are from two or more donors and are available in larger lots. Single donor cells are obtained from a single umbilical cord sample.

Product Info

Amount :	1 Vial
Purification :	<0.1% CD133+ Cells by Flow Cytometry
Content :	Each cryopreserved vial contains 100 million cells. Preserved in CryoStor [®] , 4 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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