

## 14-2003: Human Cord Blood CD8+ CD45RA+ Naive Cytotoxic T Cells(Discontinued)

### Description

Human CD8+CD45RA+ naïve cytotoxic T cells are mature T cells that have yet to be exposed to an antigen presented on the MHC class I molecule of an antigen-presenting cell (APC). Once activated, CD8+ cytotoxic T cells defend the body against intracellular pathogens, such as viruses and bacteria, as well as cancerous cells by releasing cytotoxins that result in apoptosis of the infected or diseased cell.

Human cord blood CD8+CD45RA+ naïve cytotoxic T cells are enriched by means of negative selection. Cells expressing CD4, CD14, CD16, CD19, CD20, CD36, CD45RO, CD56, CD57, CD94, CD123, CD244, TCR $\alpha/\beta$ , and glycoporphin A are depleted from the mononuclear cell population using immunomagnetic particles leaving purified, untouched CD8+CD45RA+ naïve cytotoxic T cells. Isolated cells are characterized by flow cytometry to ensure a highly pure and viable cell population.

Cord blood is collected from mothers that are negative for HIV, HepB, and HepC during pregnancy. Testing on cord blood can be provided as a custom order.

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

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 1 Vial  |
| <b>Content :</b>           | Each cryopreserved vial contains 5 million cells. Preserved in CryoStor <sup>®</sup> , $\phi$ CS10 (10% DMSO) |
| <b>Storage condition :</b> | Immediately upon receipt, store in liquid nitrogen.   |

### Application Note

#### 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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