



MagIso™ CD8 Memory T Cell Isolation Kit, Human

Cat.No: WHK-B026

DESCRIPTION

Description Non-CD8 Memory T cells are depleted by incubating the sample with the Human CD8 Memory T cell isolation optimized biotin conjugated antibody cocktail mixture followed by incubation with magnetic streptavidin nanoNanoparticles. The magnetically labeled antibody is pulled out by the use of a magnetic separator to leave the target cells intact in the supernatant. The untouched human CD8 Memory T cells are collected by decanting the liquid in a clean tube. These are the cells of interest; do not discard the liquid. Some of the downstream applications include functional assays, gene expression, phenotypic characterization, etc. These magnetic nanoparticles can be used with both free standing magnets and column-based systems.

APPLICATION

Application Notes Human CD8 memory T cells negative selection.
Designed for the isolation of untouched CD8 memory T cells from peripheral blood mononuclear cells (PBMCs).

KIT COMPONENTS

Kit Components	Kit Components	Quantity	Storage
	Streptavidin magnetic nanoparticles	200 µL-20 tests/2x 1 mL-200 tests	2-8 °C
	Biotin-antibody mixture: Biotin anti- CD4, CD14, CD16, CD19, CD20, CD36, CD45RA, CD56, CD123, CD235ab, TCR γ/δ, TCR Vδ2	200 µL-20 tests/2x 1 mL-200 tests	2-8 °C

PRODUCT INFORMATION

Particle Size	130 nm
Ligand	Streptavidin
Sample Type	Peripheral blood mononuclear cells (PBMCs)
Capacity	10 µL of biotin-antibody mixture for 1 X 10 ⁷ cells in 100 µL of buffer. 10 µL of streptavidin magnetic nanoparticles for 1 X 10 ⁷ cells in 100 µL of buffer.
Reactivity	Human

STORAGE AND SHIPPING

Storage Buffer	Biotin-antibody mixture: phosphate-buffered solution containing 0.09% sodium azide, pH 7.2. Streptavidin magnetic nanoparticles: aqueous solution containing BSA and 0.05% sodium azide.
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