



MagIso™ Pan B Cell Isolation Kit, Human

Cat.No: WHK-B022

DESCRIPTION

Description Human non B cells are depleted by incubating the sample with the Human Pan B 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 total human B 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 pan B cells negative selection.
Designed for the isolation of untouched Pan B 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- CD2, CD3, CD14, CD15, CD16, CD36, CD56, CD123, CD235ab	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 10⁷ cells in 100 µL of buffer.
 10 µL of streptavidin magnetic nanoparticles for 1 X 10⁷ 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.