



## MagIso™ B Cell (CD43-) Cell Isolation Kit, Human

Cat.No: WHK-B030

### DESCRIPTION

**Description** Non B cells are depleted by incubating the sample with the Human B (CD43-) 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 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 B cells (CD43-) negative selection.  
Designed for the isolation of untouched 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, CD16, CD36, CD43, CD235ab	200 µL-20 tests/2x 1 mL-200 tests	2-8 °C

### PRODUCT INFORMATION

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