1. Your Starting Sample

2. Cell Separation Platform

3. Product Line

4. Selection Method

5. Cell Isolation Kits

Learn more at www.stemcell.com/bcellresearch

Legend

Isolated Cell Type(s):
1. Naive B cells (CD19+CD20+CD27+)
2. Total Memory B cells (CD19+CD20+CD27+)
3. Plasma Cells (CD19+CD20-CD138+)
4. B-CLL (CD19+CD5+) incl. CD43+, CD36+ and/or CD123+ B Cells

*Cat #15129: An antibody against CD56 is not included in the cocktail. This kit is recommended to be used only with samples containing malignant plasma cells.

**PBMC = Peripheral Blood Mononuclear Cell

Kits with HLA designation have been specifically developed to facilitate cell isolation for labs performing transplant diagnostics.

Cat #17886 vs. 17874: 17886 targets B cells for positive selection with antibodies recognizing the CD19 and CD20 surface markers, whereas 17874 targets CD19+ cells for positive selection with an antibody recognizing the CD19 surface marker. The CD19 antigen is present on mature B cells and B cell progenitors, but is lost upon maturation to plasma cells. The antigen CD20 is expressed at all stages of B cell development except on pro-B cells or plasma cells.

Cat #19054 vs. 17754: 17754 uses Dextran RapidSpheres™ (Cat #19250) used in 19054. When using the 17754 kit, bound magnetic particles are removed from the EasySep™-isolated CD19+ cells.

Cat #19254 vs. 17254: 17254 is a faster version of the 19254 kit. 17254 uses Dextran RapidSpheres™ (Cat #19250) used in 19254.

Cat #19554 vs. 17963: To enrich for B cells from peripheral blood or other tissues of patients with B cell leukemia/lymphoma, or other disease states in which B cells may express CD43, CD36, and/or CD123, we recommend using 17963. The use of 19554 might lead to loss of leukemia/lymphoma B cells in certain donors.

Cat #17878 vs. 17754: 17754 is the particle-release version of 17878. When using the 17754 kit, bound magnetic particles are removed from the EasySep™-isolated CD19+ cells.

Cat #17964 vs. 17854: 17854 is a faster version of the 19054 kit. 17854 uses Dextran RapidSpheres™ (Cat #50103), which are different from the EasySep™ D Magnetic Particles (Cat #19250) used in 19054.

Cat #19154 vs. 19254: 19254 is a faster version of the 17854 kit. 17254 uses Dextran RapidSpheres™ (Cat #50103), which are different from the EasySep™ D Magnetic Particles (Cat #19250) used in 19254.

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