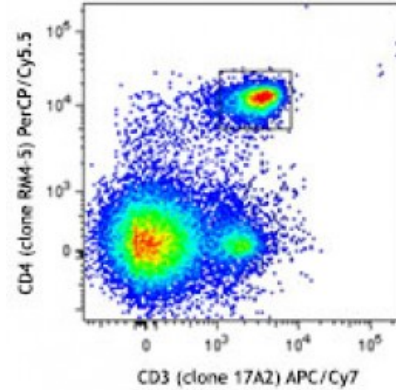


Mouse Naïve/Memory T cell ID Panel

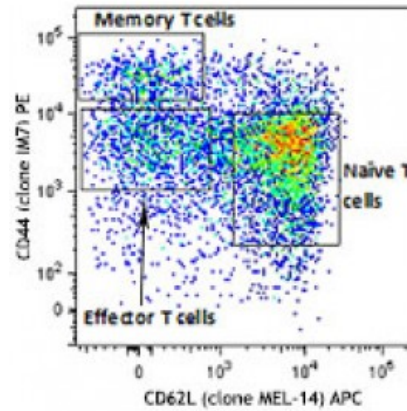
Catalog # / Size: 1337505 / 50 tests
Clone: 17A2, RM4-5, MEL-14, IM7
Isotype: Rat IgG2a,Rat IgG2b
Reactivity: Mouse
Preparation: This reagent contains one vial each of APC/Cy7 conjugated anti-CD3 (clone 17A2), PerCP/Cy5.5 conjugated anti-CD4 (clone RM4-5), APC conjugated anti-CD62L (clone MEL-14), and PE conjugated anti-CD44 (clone IM7) at optimal concentration for four-color flow
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration: Lot-specific



C57BL/6 splenocytes were stained using the Mouse Naïve/Memory T cell ID Panel consisting of CD3 APC/Cy7, CD4 PerCP/Cy5.5, CD62L APC and CD44 PE. Top dot plot depicts CD3⁺CD4⁺ T cells. Bottom plot shows CD44^{lo}CD62L

Applications:

Applications: Flow Cytometry
Recommended Usage: Each lot of these antibodies is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 20 microL per million cells or 20 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes: This product consists of four antibody vials: CD3 APC/Cy7, CD4 PerCP/Cy5.5, CD62L APC, and CD44 PE.



Description: In mice, CD4⁺ T cells can be divided into naïve and memory cells based on expression of adhesion molecules CD44 and CD62L. Naïve T cells exhibit high levels of CD62L and low expression of CD44, whereas memory T cells are identified by high CD44 and low CD62L expression. This panel includes antibodies against CD3, CD4, CD62L and CD44, which can be used together to identify naïve and memory T cell subsets in mice. Alterations in these subsets are evident in older mice following antigenic stimulation.

- Antigen References:**
1. Barclay AN, *et al.* 1997. The Leukocyte Antigen FactsBook Academic Press.
 2. Haynes BF, *et al.* 1991. *Cancer Cells* 3:347.
 3. Goldstein LA, *et al.* 1989. *Cell* 56:1063.
 4. Kishimoto