

APC anti-mouse/human CD44 Recombinant

Catalog # / Size: 1418015 / 25 µg
1418020 / 100 µg

Clone: QA19A43

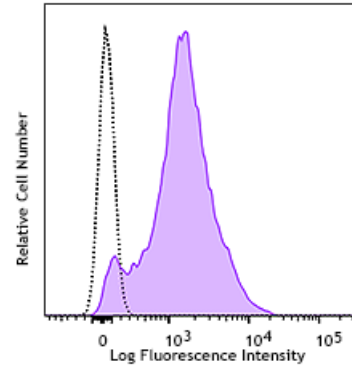
Isotype: Rat IgG2a, κ

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Concentration: 0.2 mg/mL



C57BL/6 splenocytes were stained with anti-mouse/human CD44 recombinant (clone QA19A43) APC (filled histogram) or rat IgG2a, κ APC isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: CD44 is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. It has been reported to be a valuable marker for memory cell subsets. High CD44 expression on Treg cells has been associated with potent suppressive function via high production of IL-10. CD44 is an adhesion molecule involved in leukocyte attachment to and rolling on endothelial cells, homing to peripheral lymphoid organs and to the sites of inflammation, and leukocyte aggregation.

- 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. Mikecz K, *et al.* 1995. *Nat Med.* 1:558.
 5. Hegde V, *et al.* 2008. *J Leukocyte Biol.* 84:134.
 6. Liu T, *et al.* 2009. *Biol Direct.* 4:40.