

PerCP/Cyanine5.5 anti-human β 2-microglobulin

Catalog # / Size: 2578565 / 25 tests
2578570 / 100 tests

Clone: A17082A

Isotype: Mouse IgG1, κ

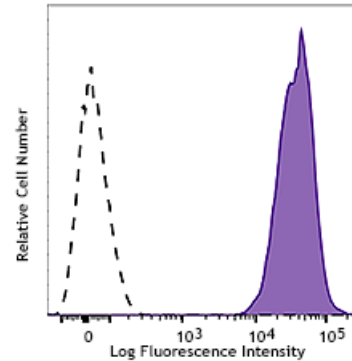
Immunogen: Recombinant human Beta2-microglobulin

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with anti-human β 2-microglobulin (clone A17082A) Percp/Cyanine5.5 (Filled Histogram) or Mouse IgG1, κ Percp/Cyanine5.5 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 5 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Clone A17082A partially cross-blocks anti-human β 2-microglobulin clone 2M2 and does not block anti-human HLA-A,B,C clone W6/32 staining, based on in-house testing.

Application References:

Description: β 2-microglobulin (β 2M) is a 12 kD nonpolymorphic Ig like protein. It is a non-membrane-anchored glycoprotein and is noncovalently associated with 39-44 kD polymorphic heavy chains of MHC class I molecules to form HLA class I antigen complex. In association with HLA class I, β 2M is expressed on all leukocytes, platelets, endothelial cells, and epithelial cells. β 2M plays an essential role both in governing MHC class I molecules stability and in promoting antigen binding and presenting the antigen to CD3/TCR complex of CD8⁺ T cells.

Antigen

References:

1. Engelhard VH. 1994. *Curr. Opin. Immunol.* 6:13.
2. Williams DB, et al. 1989. *J. Immunol.* 142:2796.
3. Danliczyk UG and TL. Delovitch. 1994. *J. Immunol.* 153:3533.
4. Williams A, et al. 2002. *Tissue Antigens.* 59:3.