

Product Data Sheet

PE anti-human β 2-microglobulin

Catalog # / Size: 316305 / 25 tests
316306 / 100 tests

Clone: 2M2

Isotype: Mouse IgG1, κ

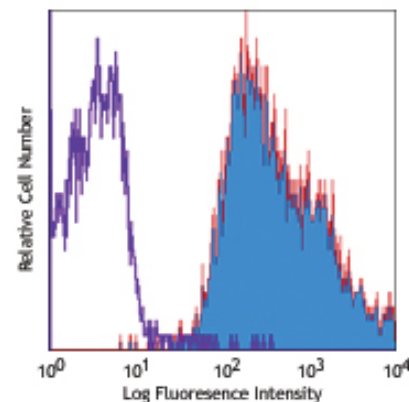
Immunogen: Purified human β 2-microglobulin

Reactivity: Human, **Cross-Reactivity*:** Swine (Pig, Porcine)

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with 2M2 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: Western blotting, and ELISA.

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:

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

Related Products:

Product

Cell Staining Buffer

PE Mouse IgG1, κ Isotype Ctrl (FC)

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

MOPC-21

Application

FC, ICC, ICFC

FC

FC, ICC, ICFC



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