

Biotin anti-human β 2-microglobulin

Catalog # / Size: 316308 / 100 μ g

Clone: 2M2

Isotype: Mouse IgG1, κ

Immunogen: Purified human β 2-microglobulin

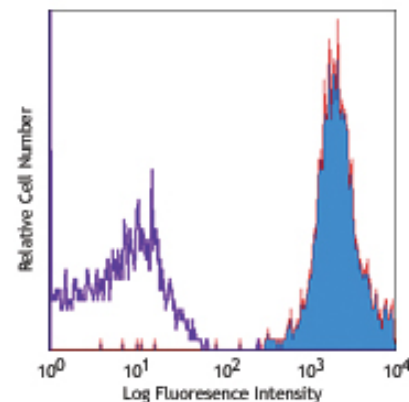
Reactivity: Human, **Cross-Reactivity***: Swine (Pig, Porcine)

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

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

Concentration: 0.5 mg/ml

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 biotinylated 2M2, followed by Sav-PE

Applications:

Applications: FC - Quality tested

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

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:

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.

Related Products:

Product
Biotin Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
MOPC-21

Application
FC, ICFC
FC, ICC, ICFC
FC, ICC, ICFC



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