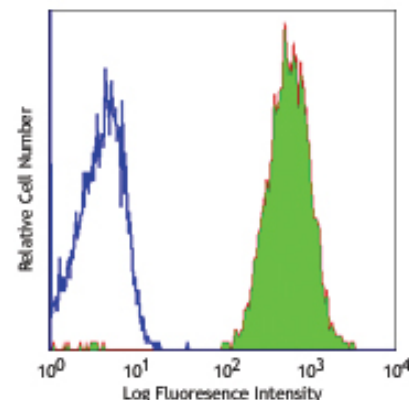


Product Data Sheet

Purified anti-human β 2-microglobulin

Catalog # / Size: 316302 / 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.
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.



Human peripheral blood lymphocytes stained with purified 2M2, followed by anti-mouse FITC

Applications:

Applications: FC - *Quality tested*
 WB, ELISA - *Reported in the literature*

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 ≤ 2.0 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.

Application References: 1. Meissner TB, *et al.* 2010. *Proc Natl Acad Sci USA*. PubMed
 2. Rizvi SM, *et al.* 2011. *J. Immunol.* 186:2309. PubMed
 3. Meissner TB, *et al.* 2012. *J Immunol.* 188:4951. PubMed.

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**
 Purified Mouse IgG1, κ Isotype Ctrl
 Cell Staining Buffer

Clone
 MOPC-21

Application
 FC, ICFC, ICC, IF, IHC, IP, WB
 FC, ICC, ICFC



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biollegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.