

PE anti-human CD50 (ICAM-3) Antibody

Catalog# / Size	377117 / 25 tests 377118 / 100 tests
Clone	A22041E
Regulatory Status	RUO
Other Names	ICAM-3
Isotype	Mouse IgG2b, κ
Description	CD50, also known as intercellular adhesion molecule 3 (ICAM-3), is a 120-140 kD type I membrane protein and member of the Ig superfamily. It is broadly expressed on leukocytes, endothelial cells, and Langerhans cells. CD50 provides costimulatory signals for T cells and regulates cell adhesion through interaction with LFA-1 (CD11a/CD18, $\alpha_L\beta_2$) integrin.

Product Details

Verified Reactivity	Human
Reported Reactivity	Baboon, Cynomolgus
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant Human ICAM3
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application References (PubMed link indicates BioLegend citation)	1. deFougerolles AR and Springer TA, <i>et al.</i> 1992. <i>J. Exp. Med.</i> 175:185. (IP, Block) 2. Geijtenbeek T, <i>et al.</i> 2000. <i>Cell.</i> 100:575. (Block) 3. Giannoni E, <i>et al.</i> 2003. <i>J Biol. Chem.</i> 278:36763.
RRID	AB_3720617 (BioLegend Cat. No. 377117) AB_3720617 (BioLegend Cat. No. 377118)

Antigen Details

Structure	Ig superfamily, type I membrane protein, 130 kD
Function	Adhesion, costimulation
Interaction	Thymocytes, T and B cells, monocytes, granulocytes, endothelial cells
Ligand/Receptor	CD11a/CD18 (LFA-1), integrin α_L/β_2
Cell Type	B cells, Endothelial cells, Granulocytes, Monocytes, T cells, Thymocytes
Biology Area	Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	1. Valent P, <i>et al.</i> 2001. <i>Immunol. Rev.</i> 179:74.
Gene ID	3385

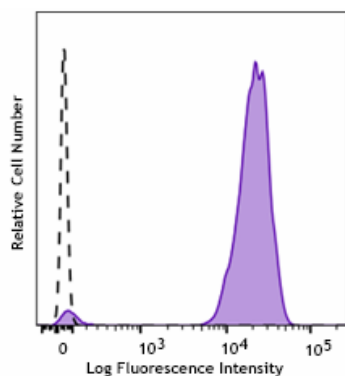
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-human CD50 (ICAM-3)

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD50 (ICAM-3) (clone A22041E) PE (filled histogram) or mouse IgG2b, κ PE isotype control (open histogram).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587