

FITC anti-human CD282 (TLR2) Antibody

Catalog# / Size	392307 / 25 tests 392308 / 100 tests
Clone	W15145C
Regulatory Status	RUO
Other Names	TLR2
Isotype	Mouse IgG2a, κ
Description	Toll-like receptors are type I transmembrane signaling receptors which are critical for the innate host defense to pathogens. Toll-like receptor 2 (TLR2), known as CD282, has been identified as a receptor that is central to the innate immune system's response to lipoproteins of Gram-negative bacteria and Gram-positive bacteria, as well as a receptor for peptidoglycan and lipoteichoic acid and other bacterial cell membrane products.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Full length human TLR2 transfected cells
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 FITC 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.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_2721569 (BioLegend Cat. No. 392307) AB_2721569 (BioLegend Cat. No. 392308)

Antigen Details

Structure	IL-1R superfamily, TLR family, type 1 transmembrane protein, 90kD
Distribution	Monocytes, Granulocytes, endothelial and epithelial cells
Function	Activates innate host defense against bacterial pathogens
Ligand/Receptor	Microbial lipoproteins, peptidoglycans, lipoteichoic acid
Cell Type	Endothelial cells, Epithelial cells, Granulocytes, Monocytes

Biology Area	Immunology
Molecular Family	CD Molecules, Toll Like Receptors
Antigen References	<ol style="list-style-type: none"> 1. Lien E, <i>et al.</i> 1999. <i>J. Biol. Chem.</i> 274:33419. 2. Lien E, <i>et al.</i> 2001. <i>J. Biol. Chem.</i> 276:1873. 3. Sabroe I, <i>et al.</i> 2002. <i>J. Immunol.</i> 168:4701.
Gene ID	7097

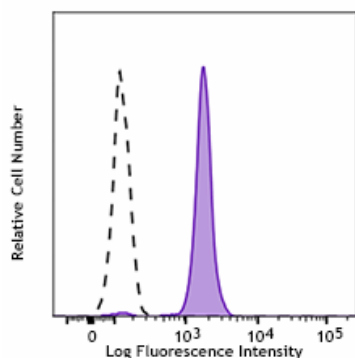
Related Protocols

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

Other Formats

Purified anti-human CD282 (TLR2), FITC anti-human CD282 (TLR2), APC anti-human CD282 (TLR2), PE anti-human CD282 (TLR2), PE/Cyanine7 anti-human CD282 (TLR2), PE/Dazzle™ 594 anti-human CD282 (TLR2), TotalSeq™-B1295 anti-human CD282 (TLR2), TotalSeq™-A1295 anti-human CD282 (TLR2), TotalSeq™-C1295 anti-human CD282 (TLR2)

Product Data



Human peripheral blood monocytes were stained with FITC anti-human CD282 (Clone W15145C) (filled histogram) or FITC mouse IgG2a, κ 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