

PerCP/Fire™ 780 anti-human FPR1 Antibody

Catalog# / Size	391611 / 25 tests 391612 / 100 tests
Clone	W15086B
Regulatory Status	RUO
Other Names	fMet-Leu-Phe receptor 1, FMLP, FPR, fMLF-R
Isotype	Mouse IgG1, κ
Description	FPR1 (Formyl Peptide Receptor 1), a G protein-coupled receptor consisting of seven transmembrane domains, is expressed on phagocytic cells and other cell types such as monocytes. FPR1 is a high affinity receptor for <i>N</i> -formyl-methionyl peptides (fMLP), which are powerful neutrophil chemotactic factors. Binding of fMLP to the receptor stimulates intracellular calcium mobilization and superoxide anion release. Endogenous peptide ligands for this receptor have also been identified. FPR1 mediates the response to invasion of the host by microbial pathogens and is important in host defense and inflammation.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Full length human FPR1 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 PerCP/Fire™ 780 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 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Fire 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_3683447 (BioLegend Cat. No. 391611) AB_3683447 (BioLegend Cat. No. 391612)

Antigen Details

Structure	Seven transmembrane domains, G-protein coupled receptor (GPCR)
Distribution	Monocytes, Neutrophils
Function	Chemotaxis

Ligand/Receptor	N-formylated peptides, Ac9-25, FAM19A4, Annexin A1
Cell Type	Eosinophils, Monocytes, Neutrophils
Biology Area	Immunology, Innate Immunity
Antigen References	<ol style="list-style-type: none"> 1. Boulay F, <i>et al.</i> 1990. <i>Biochemistry</i> 29:11123. 2. Ye RD, <i>et al.</i> 2009. <i>Pharmacol. Rev.</i> 61:119. 3. Prossnitz ER, <i>et al.</i> 1999. <i>Biochemistry</i> 38:2240. 4. Wang W, <i>et al.</i> 2015. <i>Cell Mol. Immunol.</i> 12:615.
Gene ID	2357

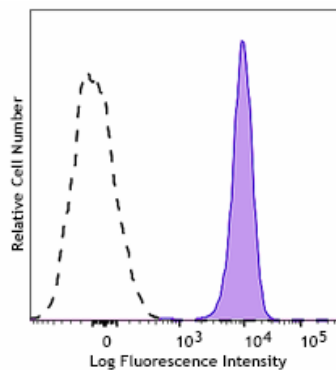
Related Protocols

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

Other Formats

Purified anti-human FPR1, FITC anti-human FPR1, PerCP/Cyanine5.5 anti-human FPR1, PE anti-human FPR1, APC anti-human FPR1, PerCP/Fire™ 780 anti-human FPR1 Antibody

Product Data



Human peripheral blood leukocytes were stained with anti-human FPR1 (clone W15086B) PerCP/Fire™ 780 (filled histogram) or mouse IgG1, κ PerCP/Fire™ 780 isotype control (open histogram). Data shown is gated on the granulocyte population.

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