

PerCP/Fire™ 806 anti-human XCR1 Antibody

Catalog# / Size	372635 / 25 tests 372636 / 100 tests
Clone	S15046E
Regulatory Status	RUO
Other Names	GPR5, CCXCR1, mXCR1, Lymphotactin receptor, SCM1 receptor, XC chemokine receptor 1
Isotype	Rat IgG2a, κ
Description	XCR1, also known as GPR5 or CCXCR1, is a 38 kD G-protein coupled, seven transmembrane receptor. It is the only member of the "C" chemokine receptor family and mediates chemotaxis of XCL1 and XCL2 (lymphotactin-1 and -2). XCR1 is expressed on a subset of CD141 ⁺ conventional dendritic cells. XCR1 is also involved in the migration and proliferation of some cancer cells.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Human XCR1-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™ 806 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™ 806 has a maximum excitation of 478 nm and a maximum emission of 806 nm.
Excitation Laser	Blue Laser (488 nm)

Antigen Details

Structure	Only member of the "C" chemokine receptor family, seven transmembrane receptor, coupled to G protein, 38 kD.
Distribution	Subset of CD141 ⁺ conventional dendritic cells.
Function	Mediates chemotaxis to XCL1.
Ligand/Receptor	XCL1 and XCL2.
Cell Type	Dendritic cells

Biology Area	Immunology
Molecular Family	Cytokine/Chemokine Receptors, GPCR
Antigen References	<ol style="list-style-type: none"> 1. Carpentier S, <i>et al.</i> 2016. <i>J. Immunol. Methods</i> 432:35. 2. Hartung E, <i>et al.</i> 2015. <i>J. Immunol.</i> 194:1069. 3. Wang T, <i>et al.</i> 2015. <i>Biochem. Biophys. Res. Commun.</i> 464:635. 4. Crozat K, <i>et al.</i> 2011. <i>J. Immunol.</i> 187:4411.
Gene ID	2829

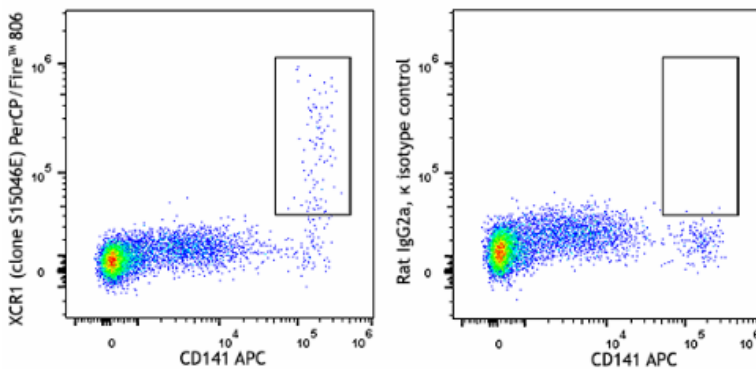
Related Protocols

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

Other Formats

PE anti-human XCR1, Brilliant Violet 421™ anti-human XCR1, APC anti-human XCR1, APC/Fire™ 750 anti-human XCR1, FITC anti-human XCR1, TotalSeq™-A0208 anti-human XCR1, TotalSeq™-B0208 anti-human XCR1, TotalSeq™-C0208 anti-human XCR1, APC/Cyanine7 anti-human XCR1, PE/Dazzle™ 594 anti-human XCR1, KIRAVIA Blue 520™ anti-human XCR1, PE/Cyanine7 anti-human XCR1, PE/Fire™ 810 anti-human XCR1, PerCP/Cyanine5.5 anti-human XCR1, Alexa Fluor® 647 anti-human XCR1, Brilliant Violet 711™ anti-human XCR1, Spark Blue™ 550 anti-human XCR1 (Flexi-Fluor™), Spark Blue™ 574 anti-human XCR1 (Flexi-Fluor™) Antibody, Spark Red™ 718 anti-human XCR1 (Flexi-Fluor™), PerCP/Fire™ 806 anti-human XCR1 Antibody, PerCP/Fire™ 780 anti-human XCR1 Antibody

Product Data



Human peripheral blood mononuclear cells were stained with a lineage cocktail of anti-human CD3/CD19/CD14/CD20/CD56 FITC, anti-human CD141 (clone M80) APC and anti-human XCR1 (clone S15046E) PerCP/Fire™ 806 (left) or rat IgG2a, κ PerCP/Fire™ 806 isotype control (right). Data shown was gated on the lineage-negative lymphocytes and monocytes; the gate in the dot plot denotes XCR1+ cells.

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