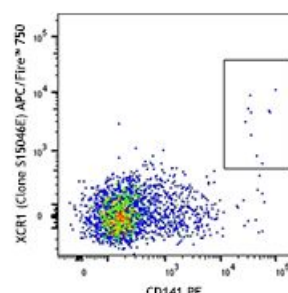


APC/Fire™ 750 anti-human XCR1

Catalog # /	2463040 / 100 tests
Size:	2463035 / 25 tests
Clone:	S15046E
Isotype:	Rat IgG2a, κ
Immunogen:	Human XCR1-transfected cells.
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	750 under optimal conditions.
Concentration:	Lot-specific



Human peripheral blood cells incubated with True-Stain Monocyte Blocker™ and then stained with FITC anti-human Lineage Cocktail, CD141 PE and XCR1 (clone S15046E) APC/Fire™ 750 (top) or rat IgG2a, κ APC/Fire™ 750 isotype control (bottom).

Applications:

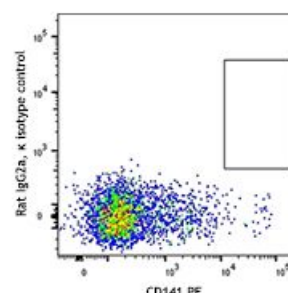
Applications: Flow Cytometry

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.
* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry on frozen tissue sections^{1,2,3,4} and immunoprecipitation¹.

Application References:

1. Schwarting R, *et al.* 1985. *Blood* 65:974.
2. Knowles DM, *et al.* 1990. *Am. J. Pathol.* 136:29.
3. Vandenabeele S, *et al.* 2001. *Blood* 97:1733.
4. Shaw JL, *et al.* 2011. *J. Reprod. Immunol.* 89:84.



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.

Antigen
References:

1. Carpentier S, *et al.* 2016. *J. Immunol. Methods* 432:35.
2. Hartung E, *et al.* 2015. *J. Immunol.* 194:1069.
3. Wang T, *et al.* 2015. *Biochem. Biophys. Res. Commun.* 464:635.
4. Crozat K, *et al.* 2011. *J. Immunol.* 187:4411.