

KIRAVIA Blue 520™ anti-human XCR1

Catalog # / Size: 2463115 / 25 tests
2463120 / 100 tests

Clone: S15046E

Isotype: Rat IgG2a, κ

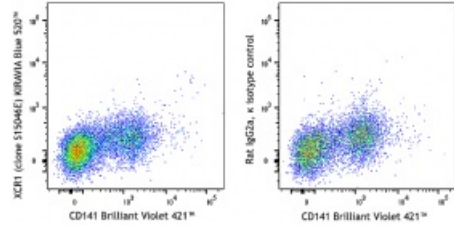
Immunogen: Human XCR1-transfected cells.

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with KIRAVIA Blue 520™ under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood mononuclear cells were stained with APC anti-human Lineage Cocktail, anti-human CD141 Brilliant Violet 421™ and anti-human XCR1 (clone S15046E) KIRAVIA Blue 520™ (left) or rat IgG2a, κ KIRAVIA Blue 520™ isotype control (right).

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. It is recommended that the reagent be titrated for optimal performance for each application.

* KIRAVIA Blue 520™ has an excitation maximum of 495 nm, and a maximum emission of 520 nm.

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.