

**KIRAVIA Blue 520™ anti-human XCR1**

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

**Clone:** S15046E

**Isotype:** Rat IgG2a, κ

**Immunogen:** Human XCR1-transfected cells.

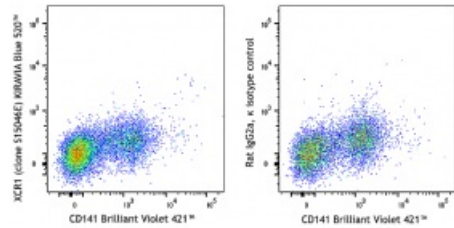
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with 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).

**Workshop Number:** 750 under optimal conditions.

**Concentration:** Lot-specific

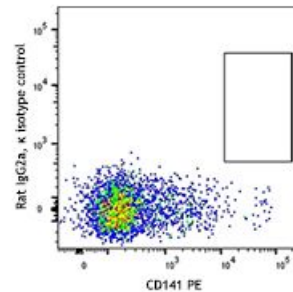


Human peripheral blood mononuclear cells were stained with APC anti-human Lineage Cocktail, anti-human CD141 Brilliant Violet 421™ and anti-human XCR1 (clone S15046E) KIRAVIA Blue 520™ (left) or rat IgG2a, κ KIRAVIA Blue 520™ isotype control (right).

**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.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunohistochemistry on frozen tissue sections<sup>1,2,3,4</sup> and immunoprecipitation<sup>1</sup>.

- 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<sup>+</sup> 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.