SONY

Product Data Sheet

APC/Fire™ 810 anti-human CD185 (CXCR5)

Catalog # / Size: 2384780 / 100 tests
2384775 / 25 tests

Clone: J252D4

Isotype: Mouse IgG1, κ

Immunogen: Human CXCR5-transfected cells

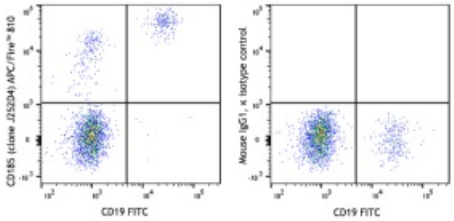
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 810 under optimal conditions.

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

Workshop Number: HCDM listed

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with anti-human CD19 FITC and anti-human CD185 (CXCR5) (clone J252D4) APC/Fire™ 810 (left) or mouse IgG1, κ APC/Fire™ 810 isotype control (right).

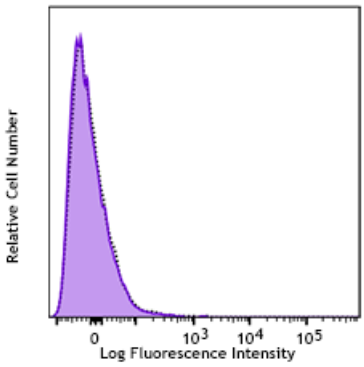
Applications:

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.

* APC/Fire™ 810 has a maximum excitation of 650 nm and a maximum emission of 810 nm.

Application Notes: Additional reported applications (for the relevant formats) include: Western blotting[1], immunofluorescence[2], and immunoprecipitation[1].



HLA-A2 negative human peripheral blood lymphocytes were stained with anti-human HLA-A2 (clone BB7.2) PE/Dazzle™ 594 (filled histogram) or mouse IgG2b, κ PE/Dazzle™ 594 isotype control (open histogram).

Application References:

1. Hildreth JE, *et al.* 1991. *Blood* 77:121. (IP, WB)
2. Beatty WL, *et al.* 2006. *J. Cell Sci.* 119:350. (IF)

Description: CD185, also known as CXCR5, is a 42 kD G-protein coupled receptor with seven transmembrane regions. CXCR5 is expressed by mature B cells, follicular helper T cells, Burkitt's lymphoma cells and a subset of neurons, and mediates cell migration to the B cell follicles in the secondary lymphoid organs. The ligand of CXCR5 is CXCL13 (BLC).

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Antigen References:

1. Ma CS, *et al.* 2012. *J. Exp. Med.* 209:1241.
2. León B, *et al.* 2012. *Nat. Immunol.* 13:681.
3. Crotty S. 2011. *Annu. Rev. Immunol.* 29:621.
4. Kerfoot SM, *et al.* 2011. *Immunity* 34:947.
5. Sáez de Guinoa J, *et al.* 2011. *Blood* 118:1560.

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